

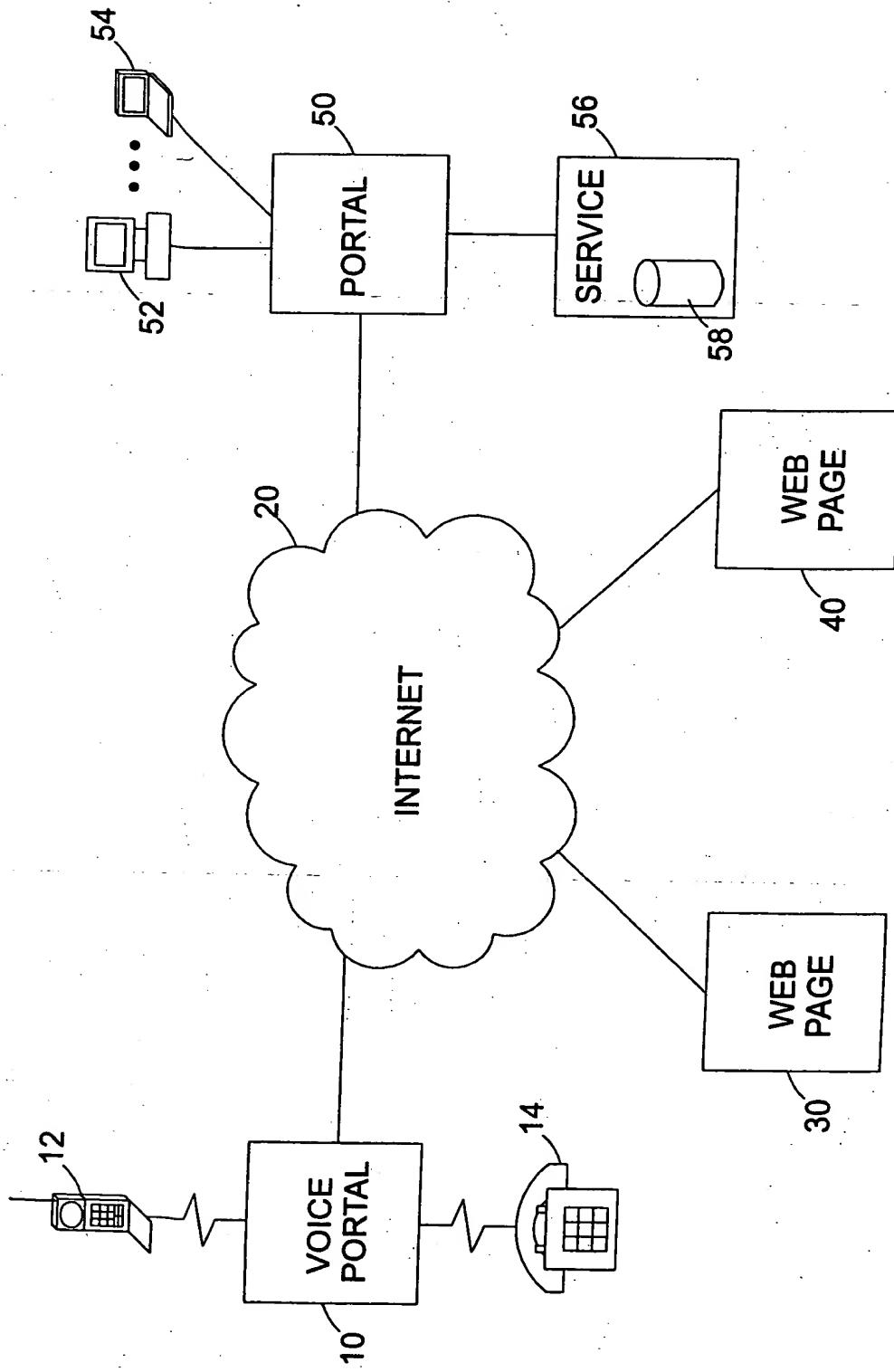
[illegible]

FIG. 1

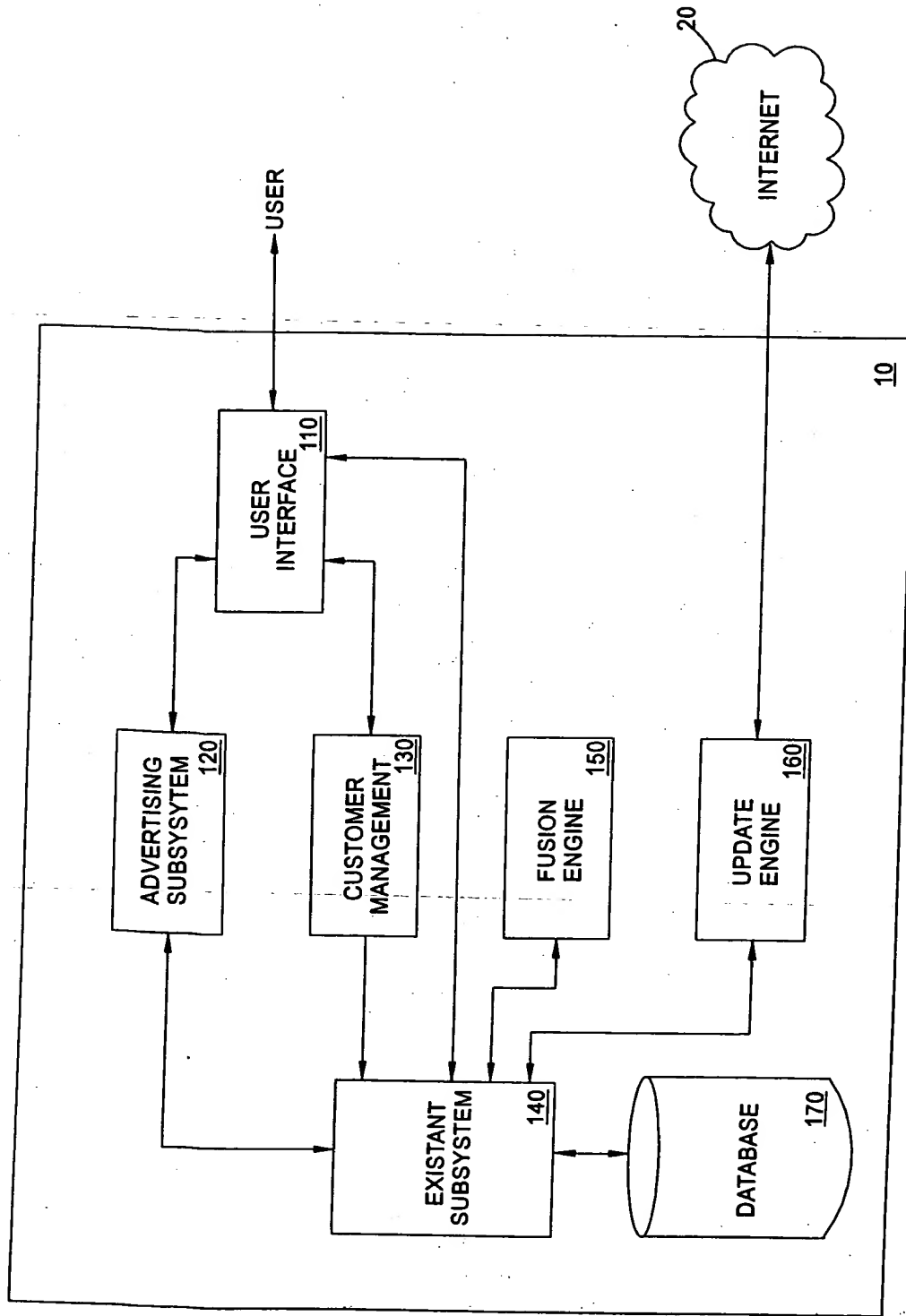


FIG. 2

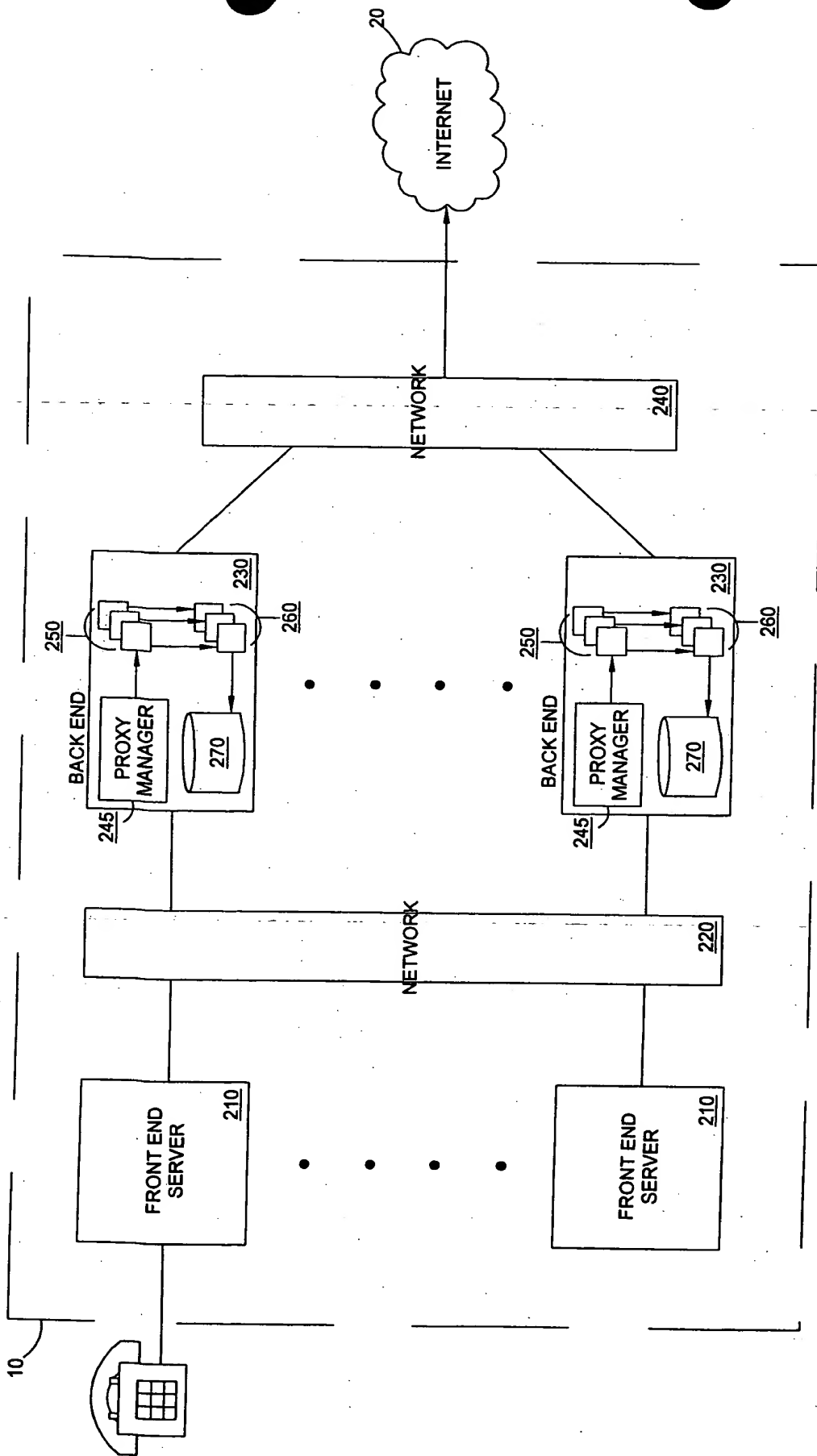


FIG. 3

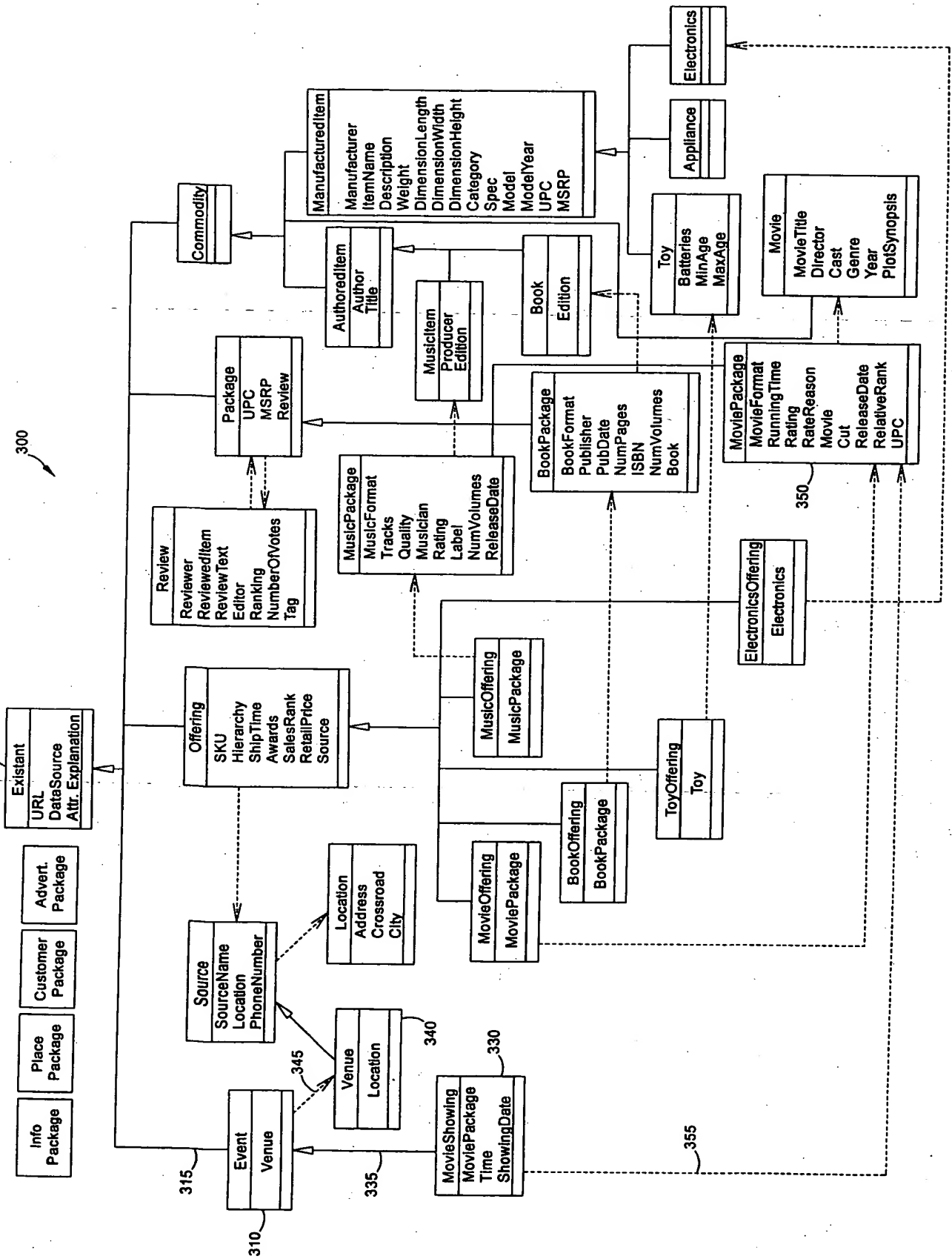


FIG. 4

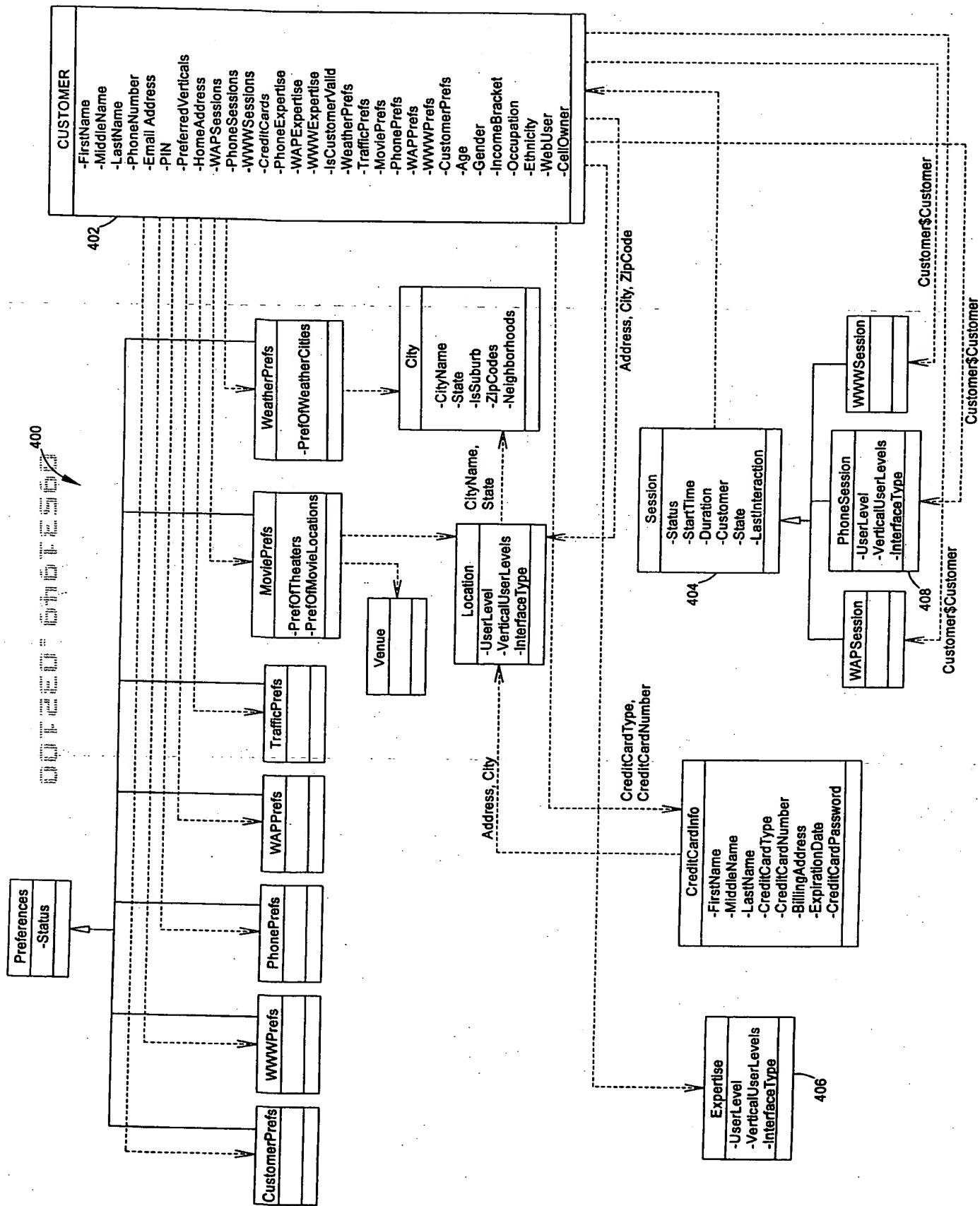


FIG. 5

450

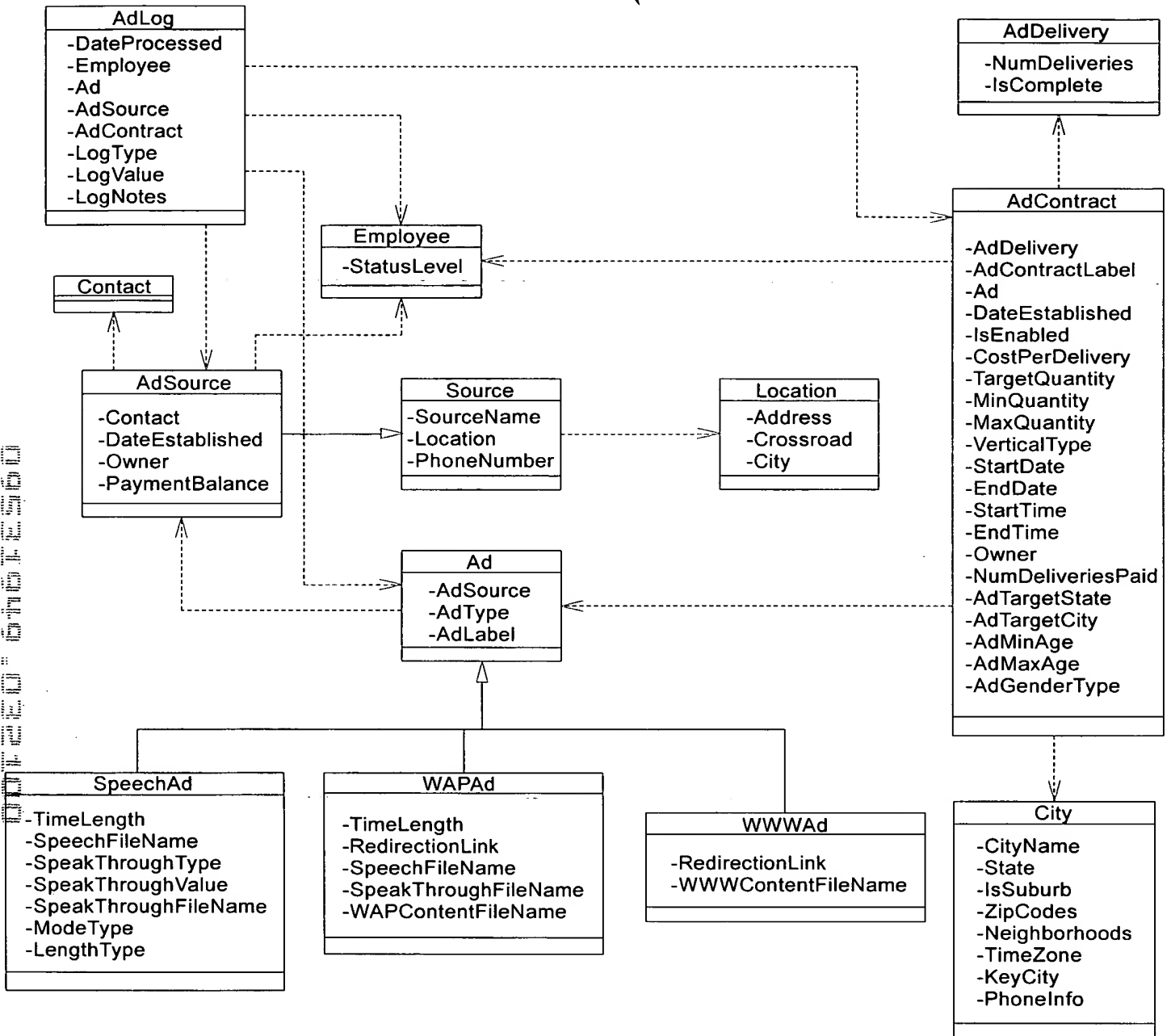


FIG. 6

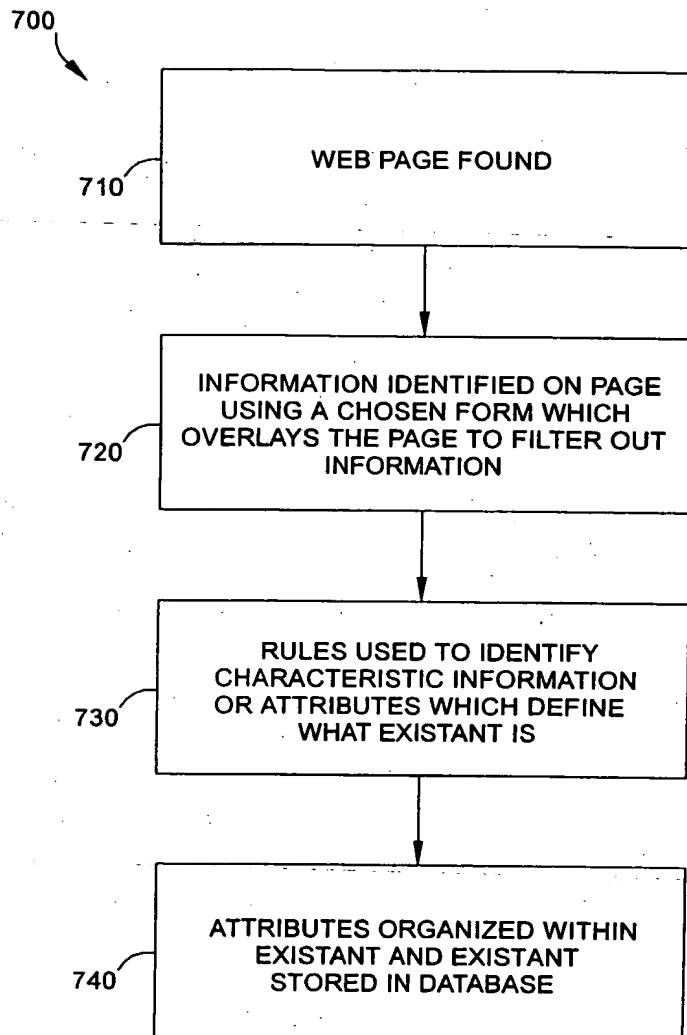


FIG. 7

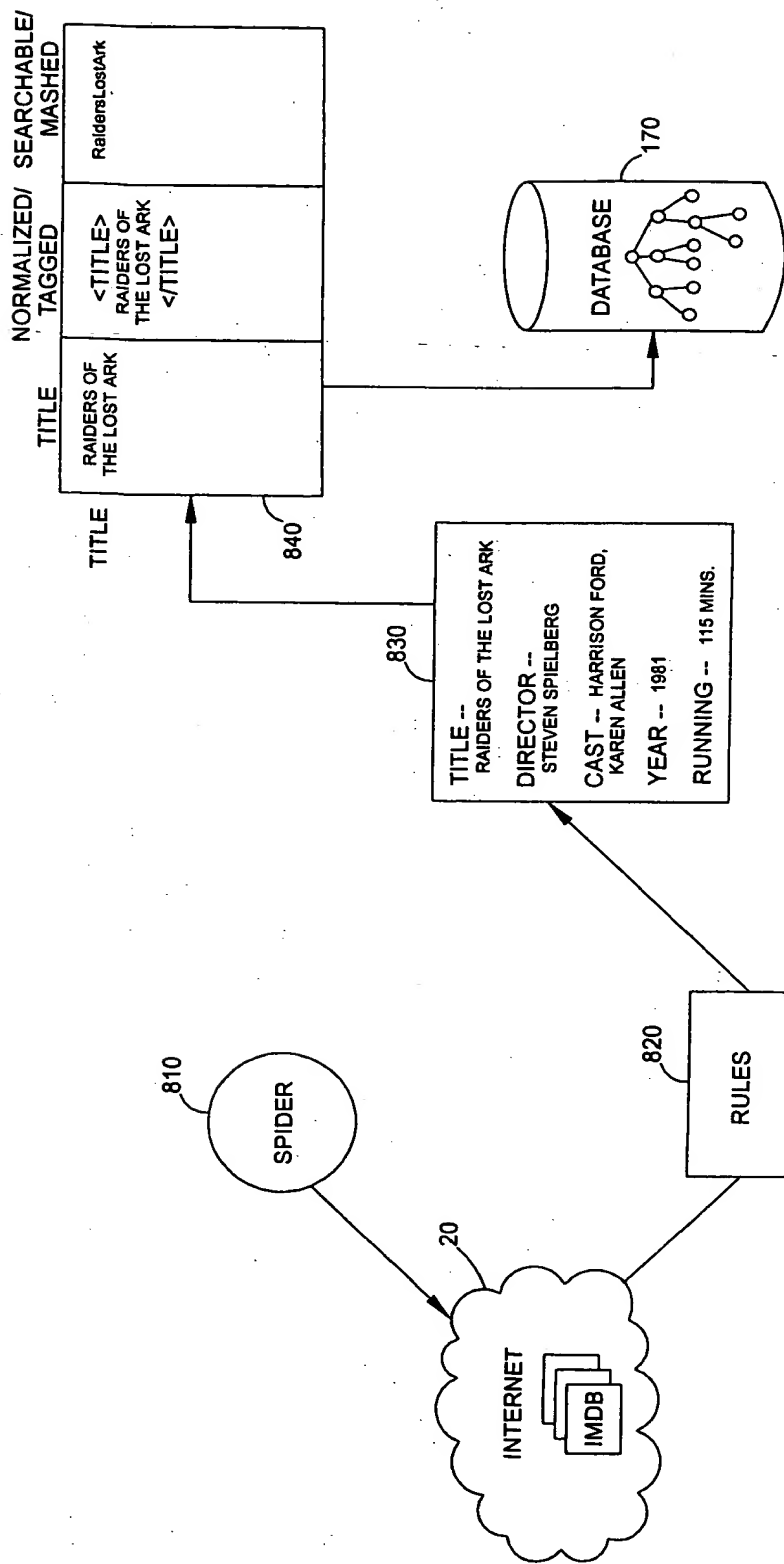


FIG. 8

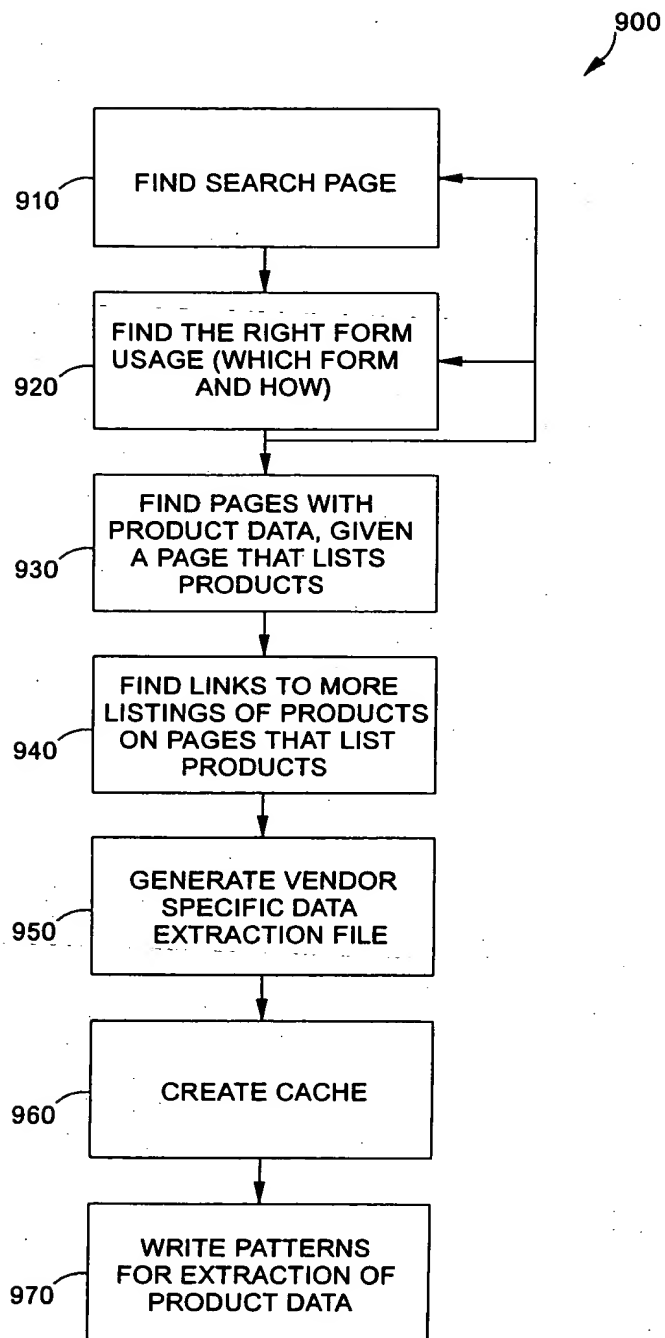


FIG. 9

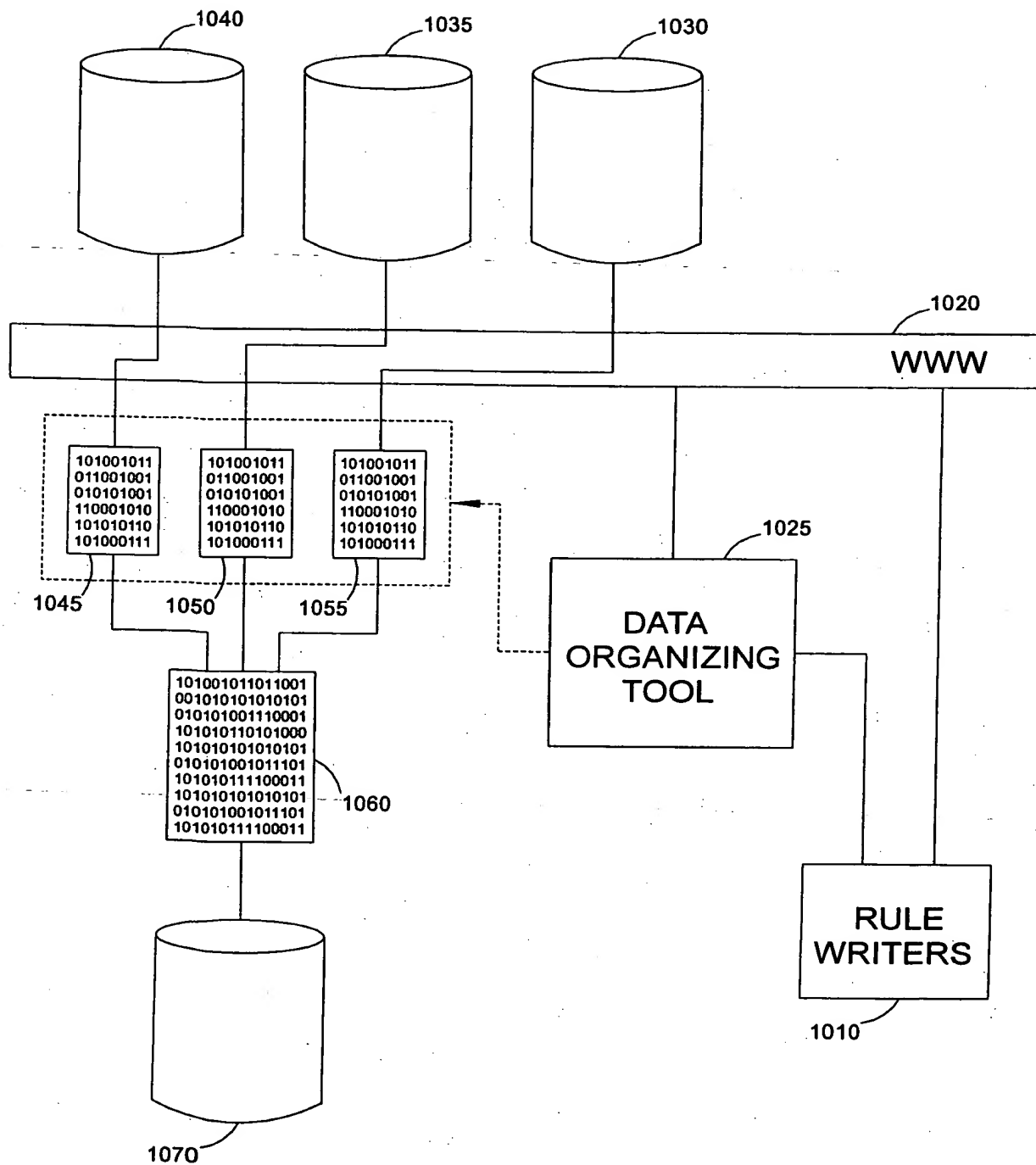


FIG. 10

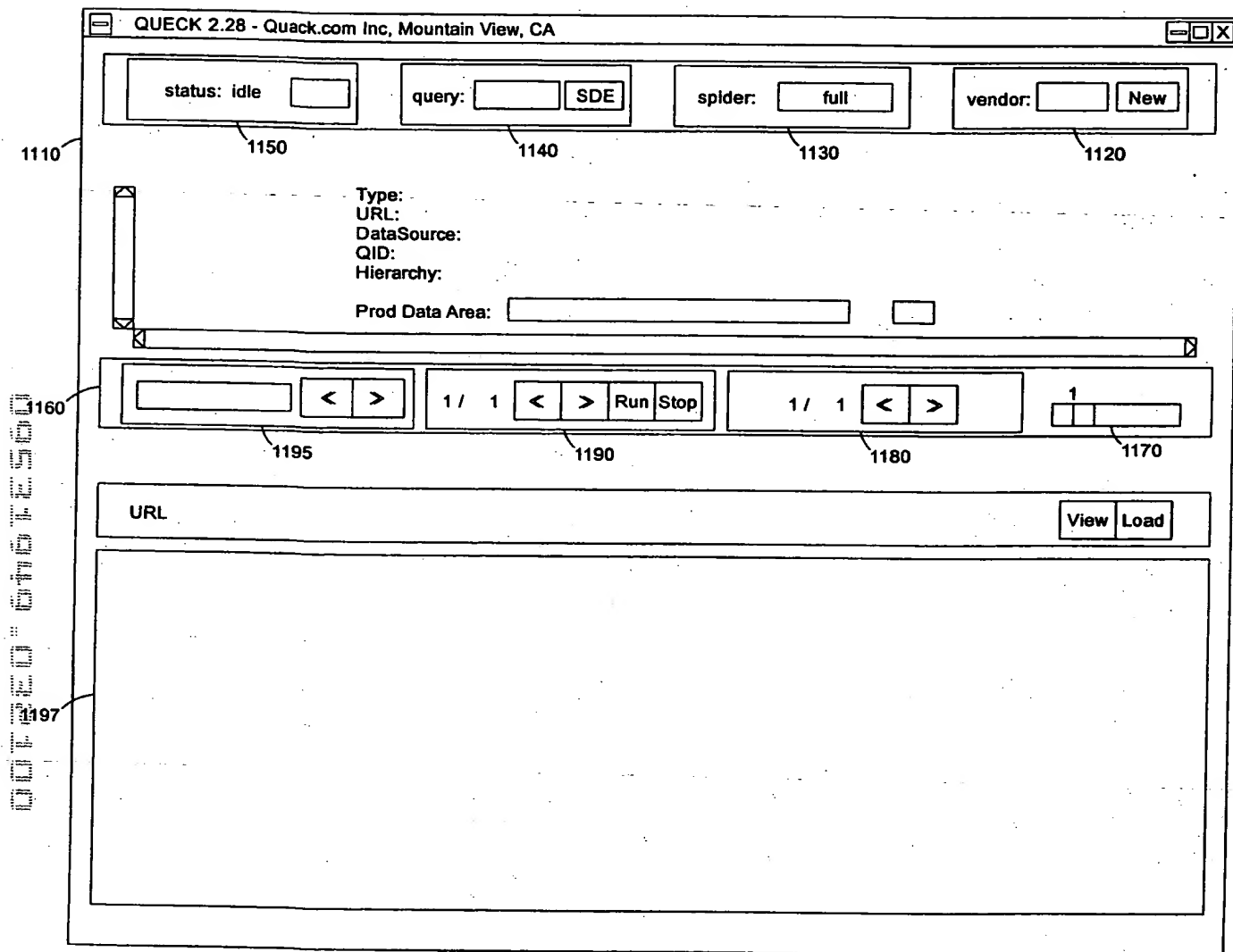


FIG. 11

1200

NewVendor

This routine generates initial versions of all files, needed in the rule writing process. If the file that QUECK wants to generate already exists, a back-up of the original file is saved in /home/karen/.QUECK/Rules.bu or /home/karen/.QUECK/RuleFunctions.bu

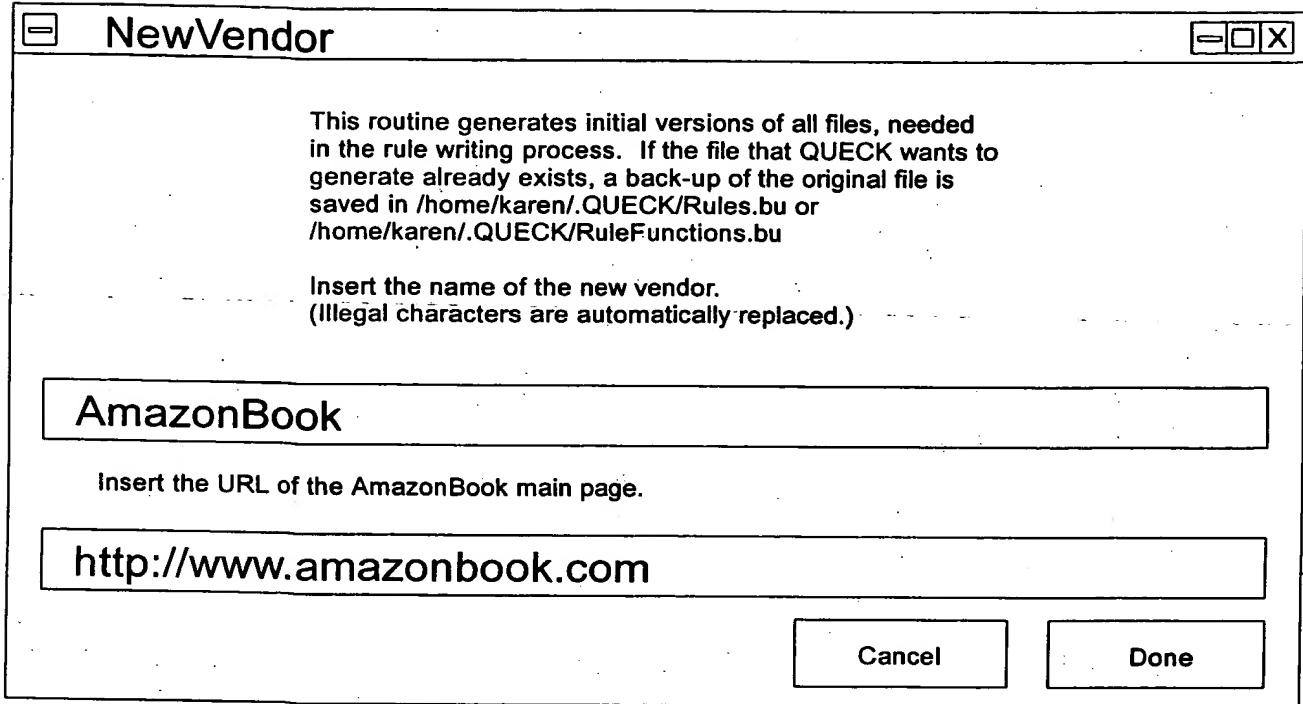
Insert the name of the new vendor.
(Illegal characters are automatically replaced.)

AmazonBook

Cancel Done

FIG. 12

1300



A dialog box titled "NewVendor" with a standard window control bar (minimize, maximize, close). The text inside reads: "This routine generates initial versions of all files, needed in the rule writing process. If the file that QUECK wants to generate already exists, a back-up of the original file is saved in /home/karen/.QUECK/Rules.bu or /home/karen/.QUECK/RuleFunctions.bu". Below this, it says "Insert the name of the new vendor. (Illegal characters are automatically replaced.)". A text input field contains "AmazonBook". Below that, it says "Insert the URL of the AmazonBook main page.". Another text input field contains "http://www.amazonbook.com". At the bottom right are "Cancel" and "Done" buttons.

This routine generates initial versions of all files, needed in the rule writing process. If the file that QUECK wants to generate already exists, a back-up of the original file is saved in /home/karen/.QUECK/Rules.bu or /home/karen/.QUECK/RuleFunctions.bu

Insert the name of the new vendor.
(Illegal characters are automatically replaced.)

AmazonBook

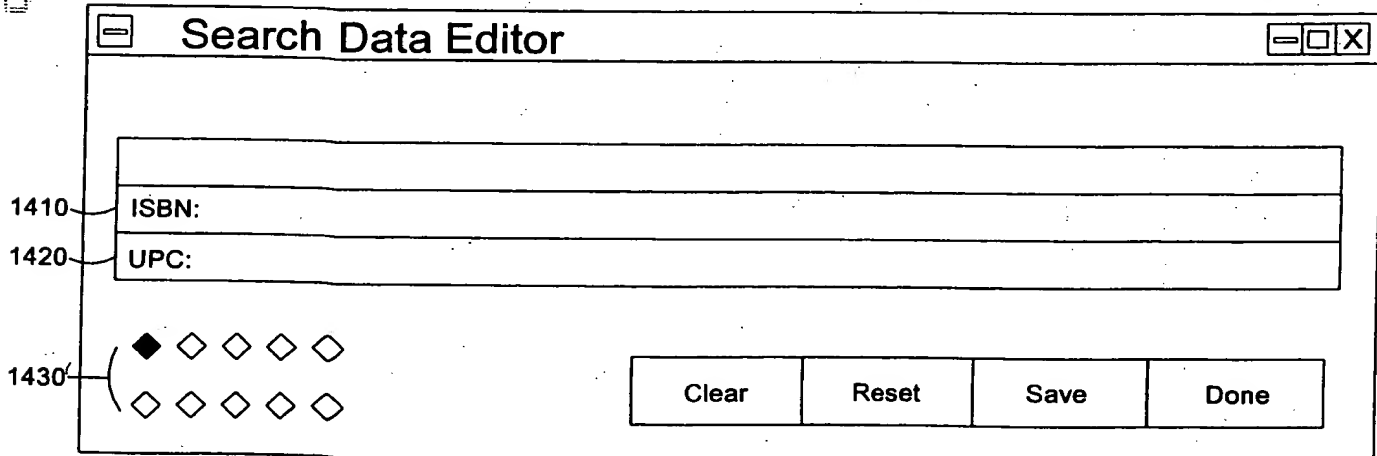
Insert the URL of the AmazonBook main page.

http://www.amazonbook.com

Cancel Done

FIG. 13

1400



A dialog box titled "Search Data Editor" with a standard window control bar. It contains two text input fields: "ISBN:" and "UPC:". Below these is a section labeled "1430" containing a grid of diamond-shaped icons. The first row has one filled diamond followed by four empty ones. The second row has five empty diamonds. At the bottom right are "Clear", "Reset", "Save", and "Done" buttons.

ISBN:

UPC:

1430

Clear Reset Save Done

FIG. 14

1500

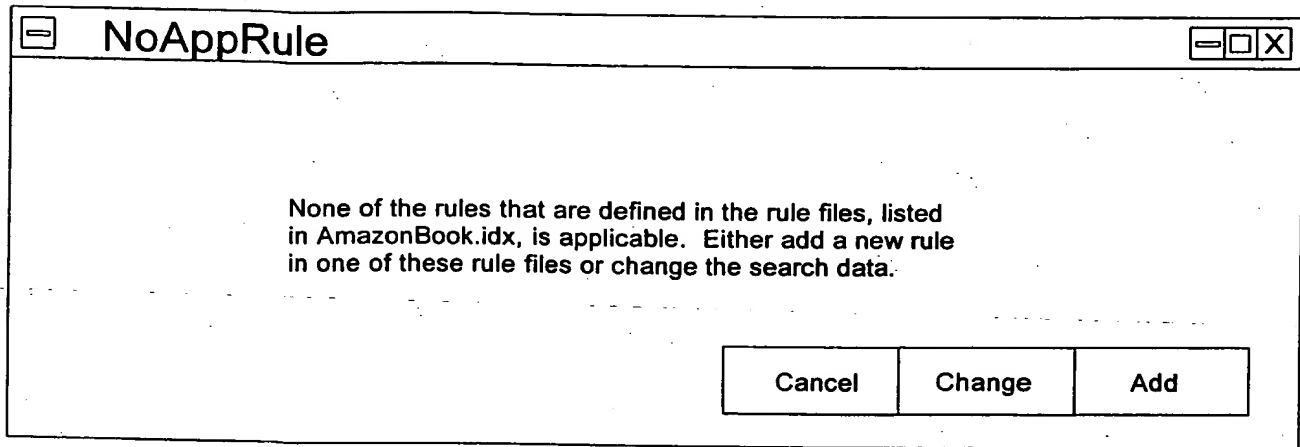


FIG. 15

1600

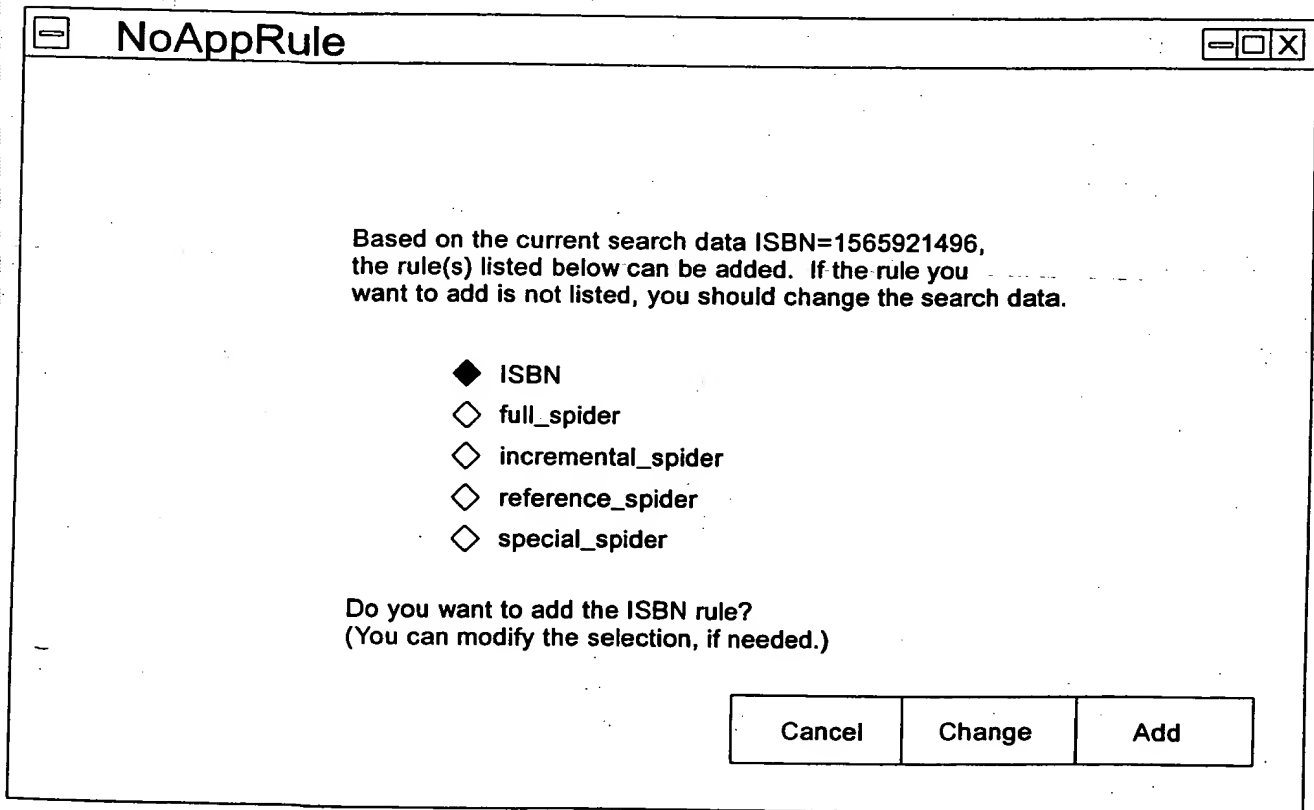


FIG. 16

1700

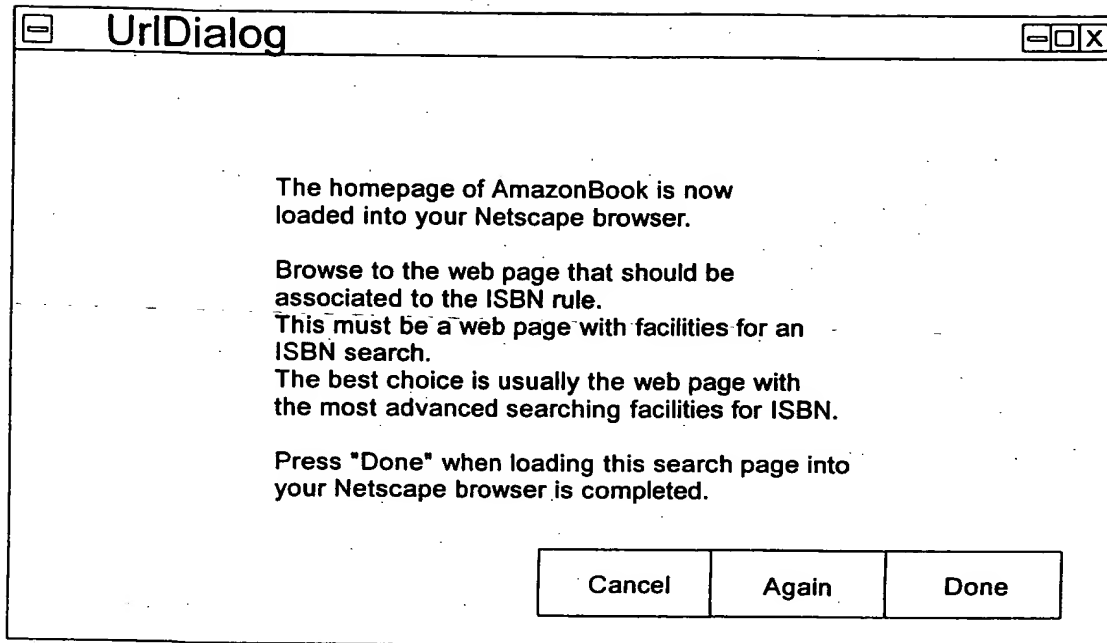


FIG. 17

1800

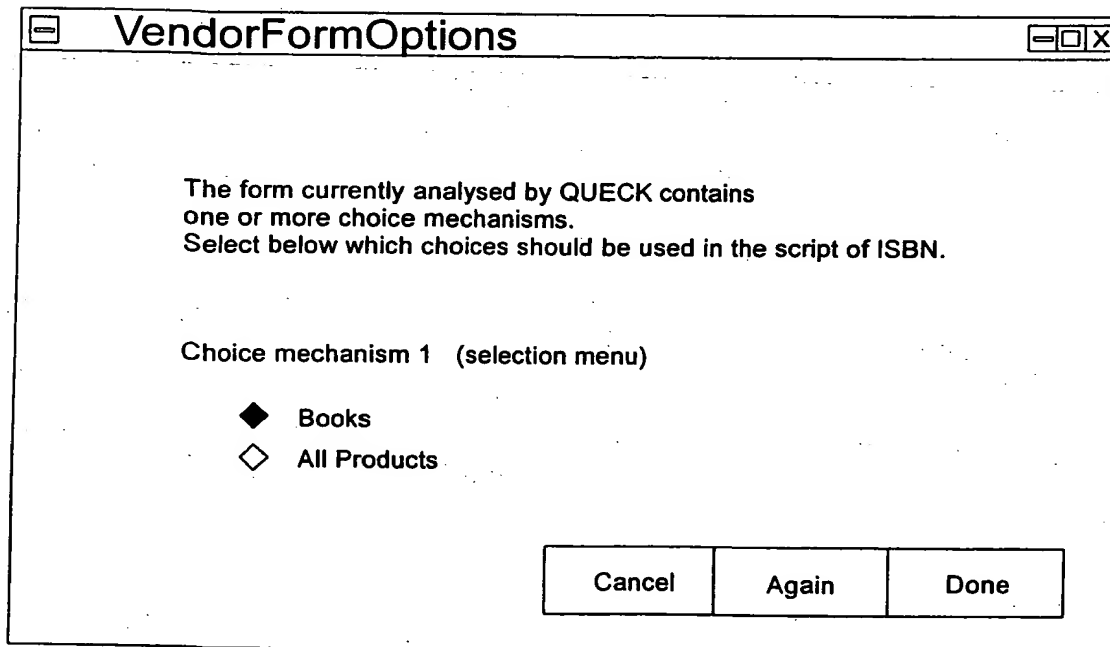
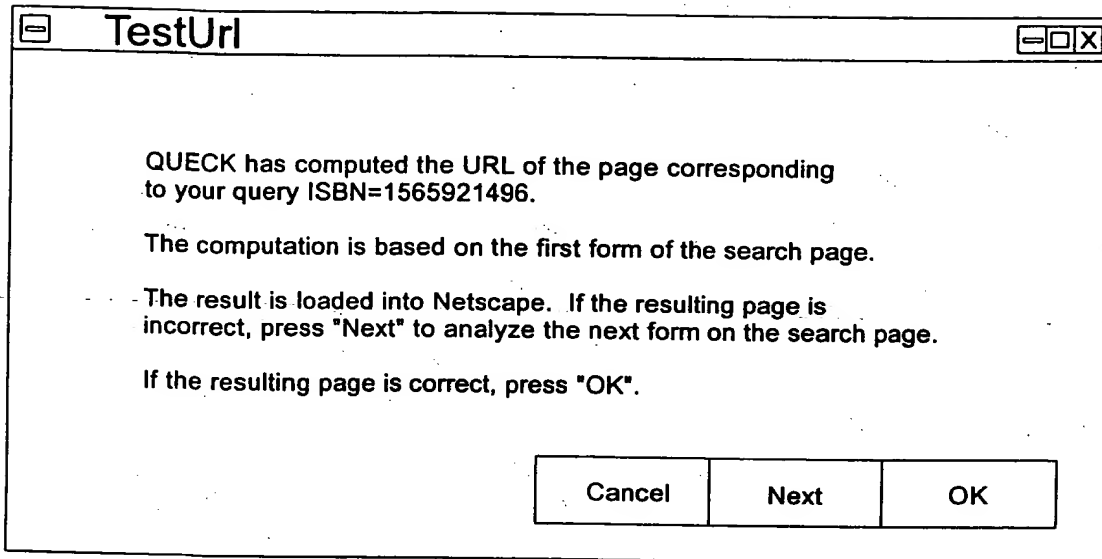


FIG. 18

1900



A dialog box titled "TestUrl" with a standard window control bar (minimize, maximize, close). The text inside reads: "QUECK has computed the URL of the page corresponding to your query ISBN=1565921496. The computation is based on the first form of the search page. The result is loaded into Netscape. If the resulting page is incorrect, press 'Next' to analyze the next form on the search page. If the resulting page is correct, press 'OK'." At the bottom right, there are three buttons: "Cancel", "Next", and "OK".

TestUrl

QUECK has computed the URL of the page corresponding to your query ISBN=1565921496.

The computation is based on the first form of the search page.

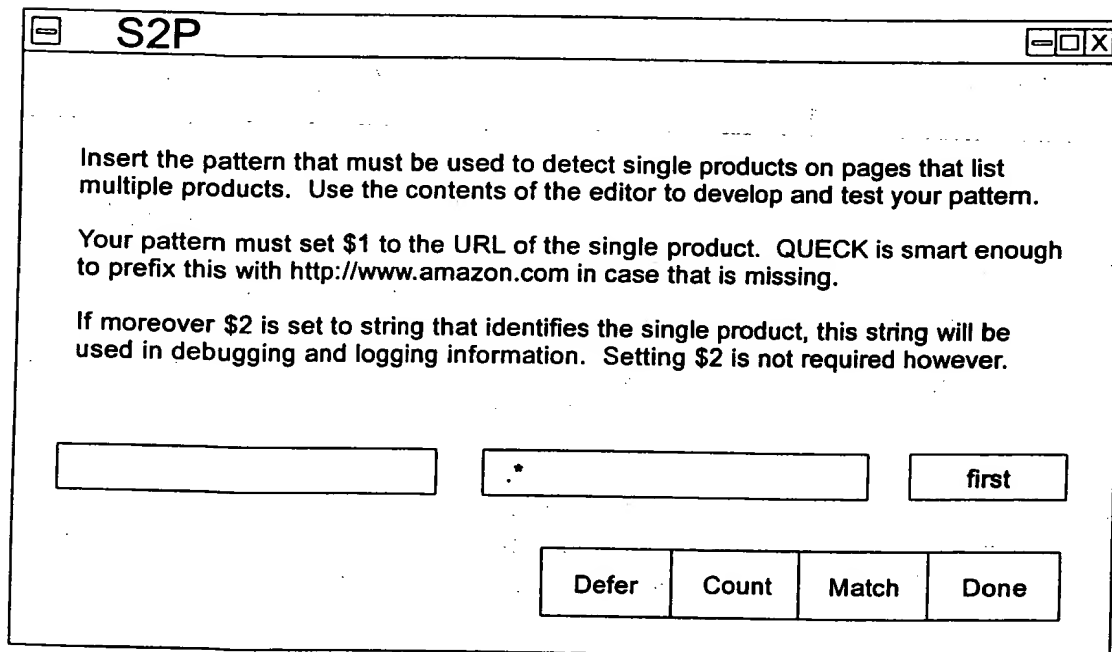
The result is loaded into Netscape. If the resulting page is incorrect, press "Next" to analyze the next form on the search page.

If the resulting page is correct, press "OK".

Cancel Next OK

FIG. 19

2000



A dialog box titled "S2P" with a standard window control bar (minimize, maximize, close). The text inside reads: "Insert the pattern that must be used to detect single products on pages that list multiple products. Use the contents of the editor to develop and test your pattern. Your pattern must set \$1 to the URL of the single product. QUECK is smart enough to prefix this with http://www.amazon.com in case that is missing. If moreover \$2 is set to string that identifies the single product, this string will be used in debugging and logging information. Setting \$2 is not required however." Below the text are two input fields: the first is empty, and the second contains a dollar sign followed by a space. To the right of the second input field is a button labeled "first". At the bottom right, there are four buttons: "Defer", "Count", "Match", and "Done".

S2P

Insert the pattern that must be used to detect single products on pages that list multiple products. Use the contents of the editor to develop and test your pattern.

Your pattern must set \$1 to the URL of the single product. QUECK is smart enough to prefix this with http://www.amazon.com in case that is missing.

If moreover \$2 is set to string that identifies the single product, this string will be used in debugging and logging information. Setting \$2 is not required however.

Defer Count Match Done

FIG. 20

NSP

Insert the pattern that must be used to detect links on multiple products pages to even more multiple product pages. Use the "Match" button to test your pattern.

Your pattern must set \$1 to the URL of the new multiple product page. QUECK is smart enough to prefix this with `http://www.amazon.com` in case that is missing.

If your query does not generate enough product hits to have more than one multiple product page, you can choose "Defer" and defer the configuration until you run a query that actually does generate enough product hits to have more than one multiple product page.

Defer

Match

Build

2025

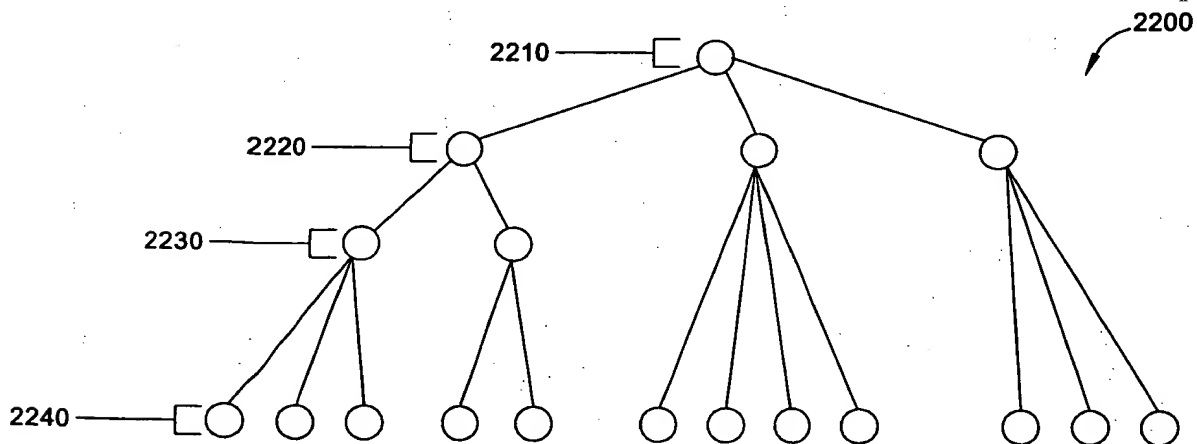


FIG. 22

2300

SpiderSubr
[] [X]

Insert here the URL of the page, currently loaded into Netscape. This is the page associated to the full_spider rule.

Next, set "SpiderDepth" to the maximum number of links that has to be followed from the top of the hierarchy to the actual product pages. Note that in some cases this number depends on the branch you follow. Setting "SpiderDepth" too low creates a spider that misses products that are nested too deep in the hierarchy. Setting "SpiderDepth" too high leads to a decrease in performance.

SpiderDepth

1

UpperBound

0

Done

FIG. 23

2400

SpiderSubr
[] [X]

http://www.amazon.com/exec/obidos/subst/home/home.html/002-5797861-2625002

The spider you specified is a level - 1 spider.
This means that your spider has the following form:

- level - 0: The top page (accessed via the URL above)
- level - 1: The single product pages to be spidered

Insert below the pattern used to detect level - 1 pages on the top page.

Your pattern must set \$1 to the URLs of the child pages. QUECK is smart enough to prefix this URL with http://www.amazon.com in case it is missing. If your pattern also sets \$2, that value will be used in the hierarchy attributes.

first

1st Level

Cancel

Count

Match

Build

FIG. 24

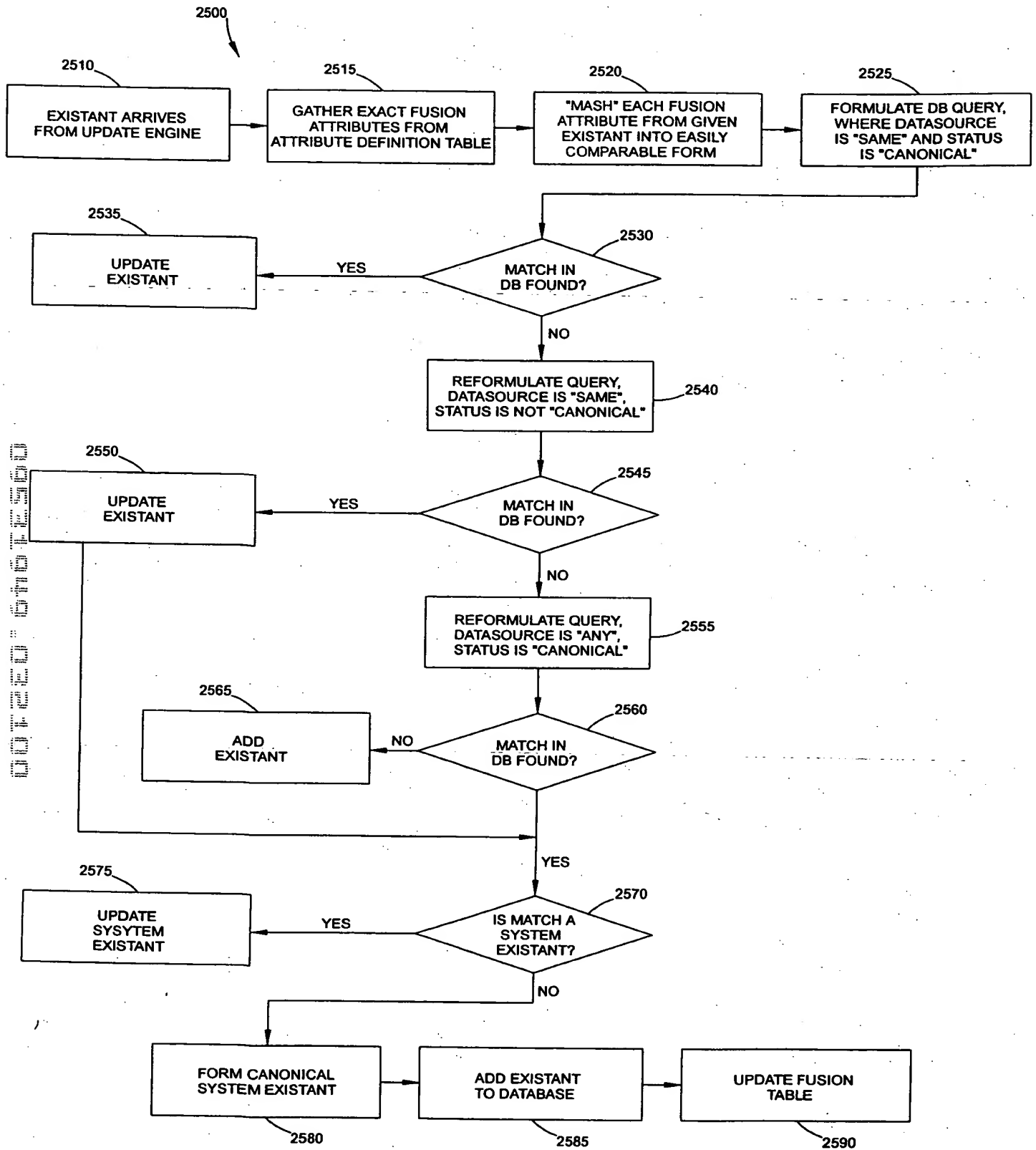


FIG. 25

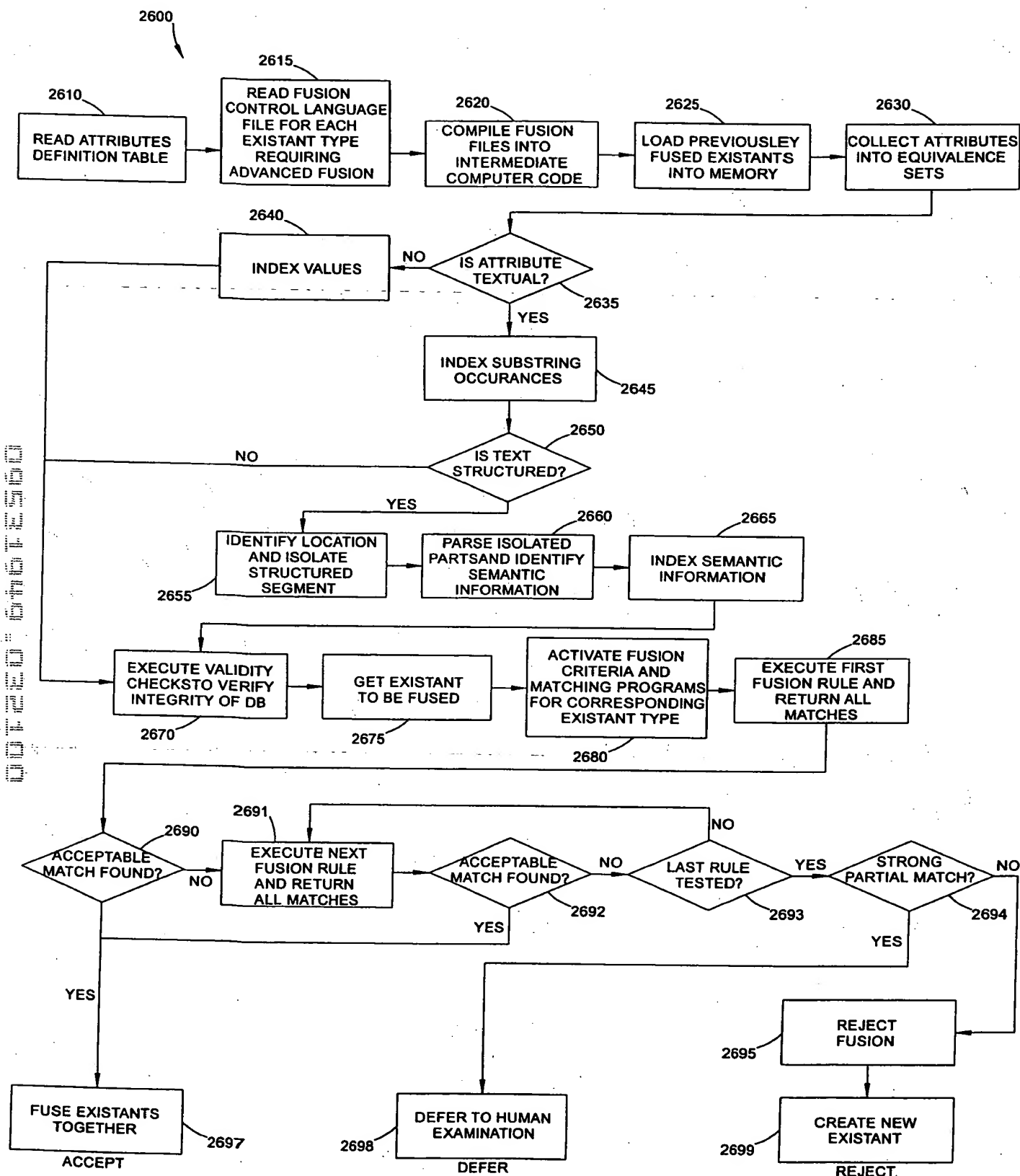


FIG. 26

UNITED STATES

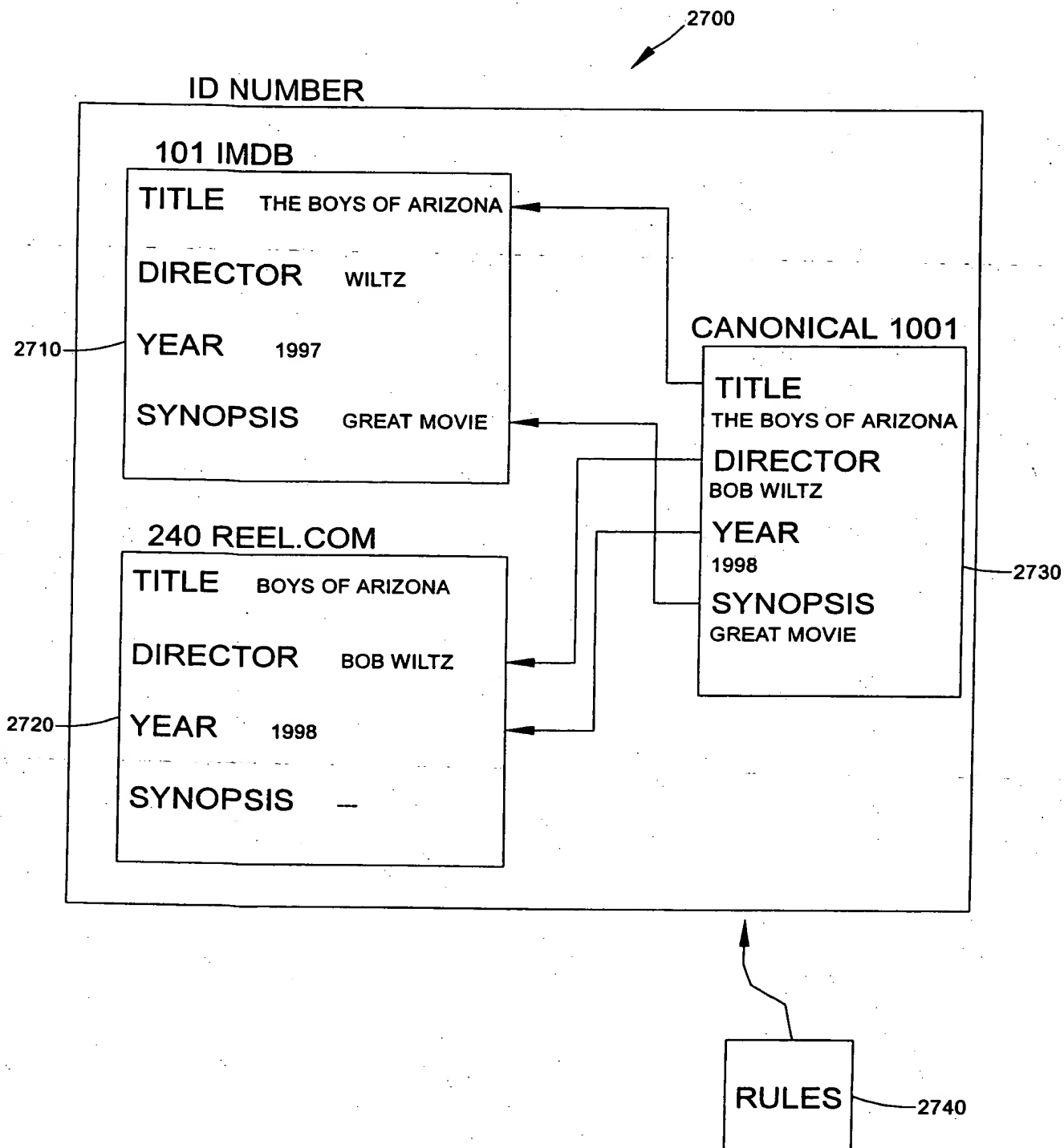


FIG. 27

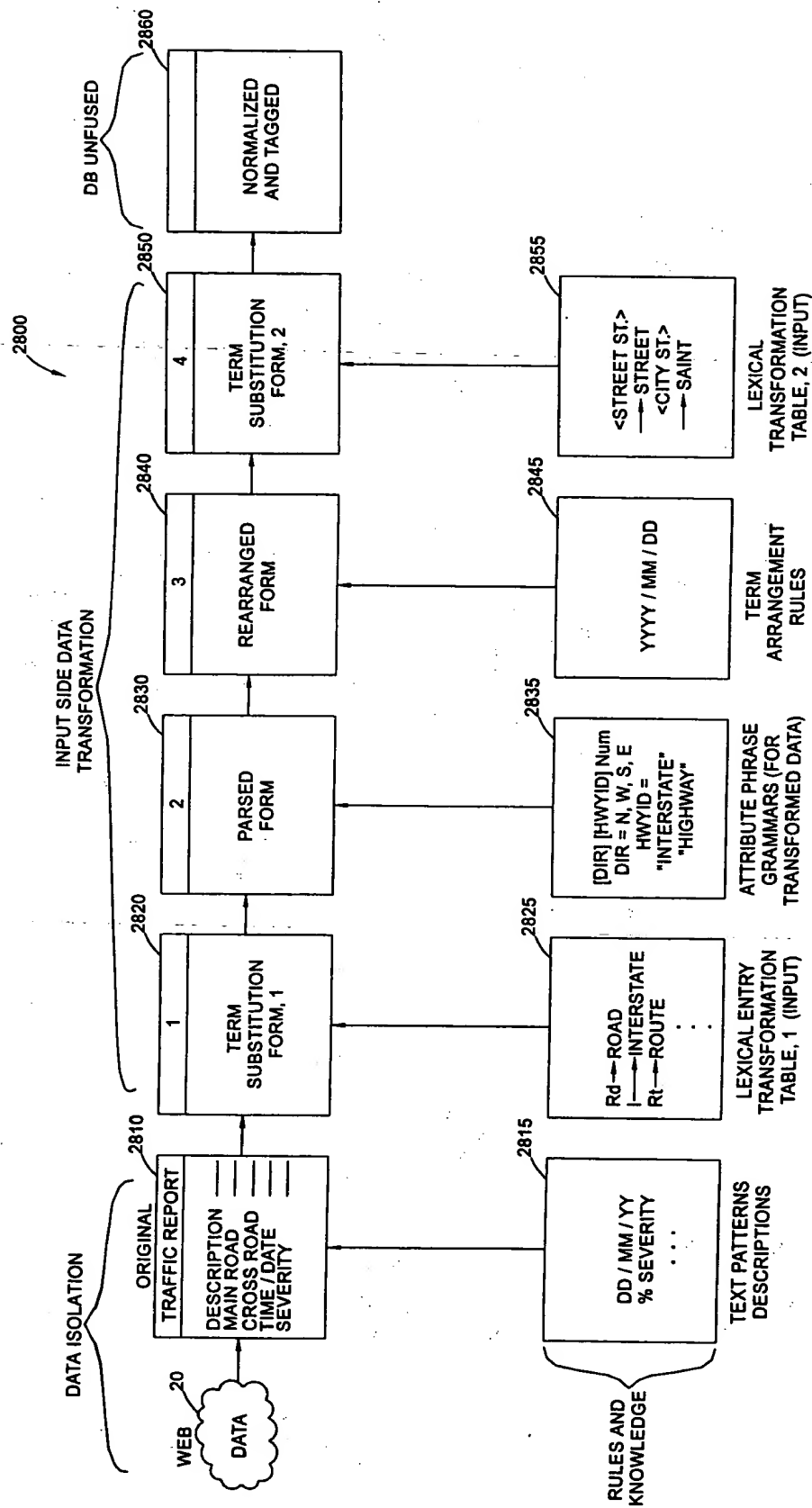


FIG. 28

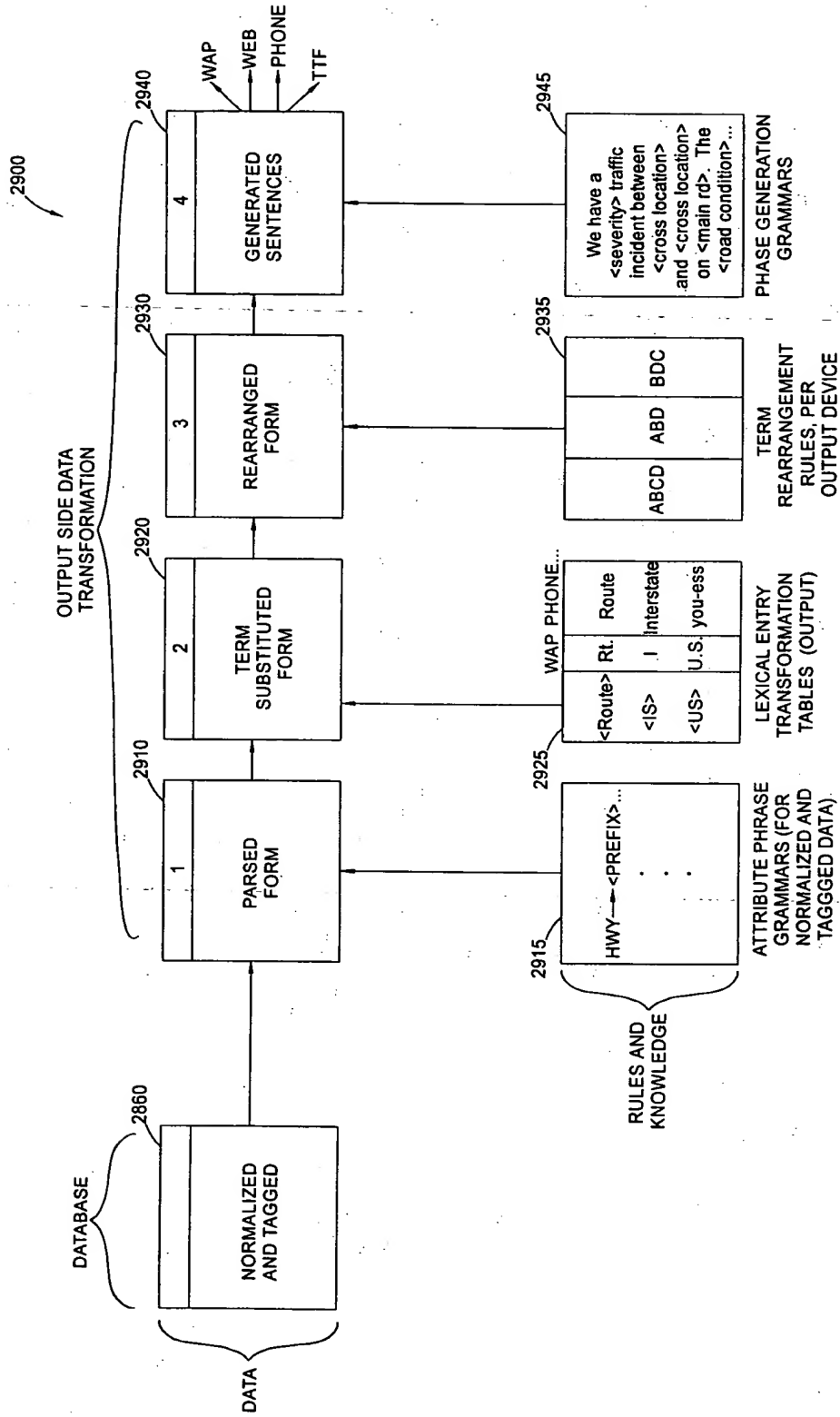


FIG. 29

001220 0106T0900

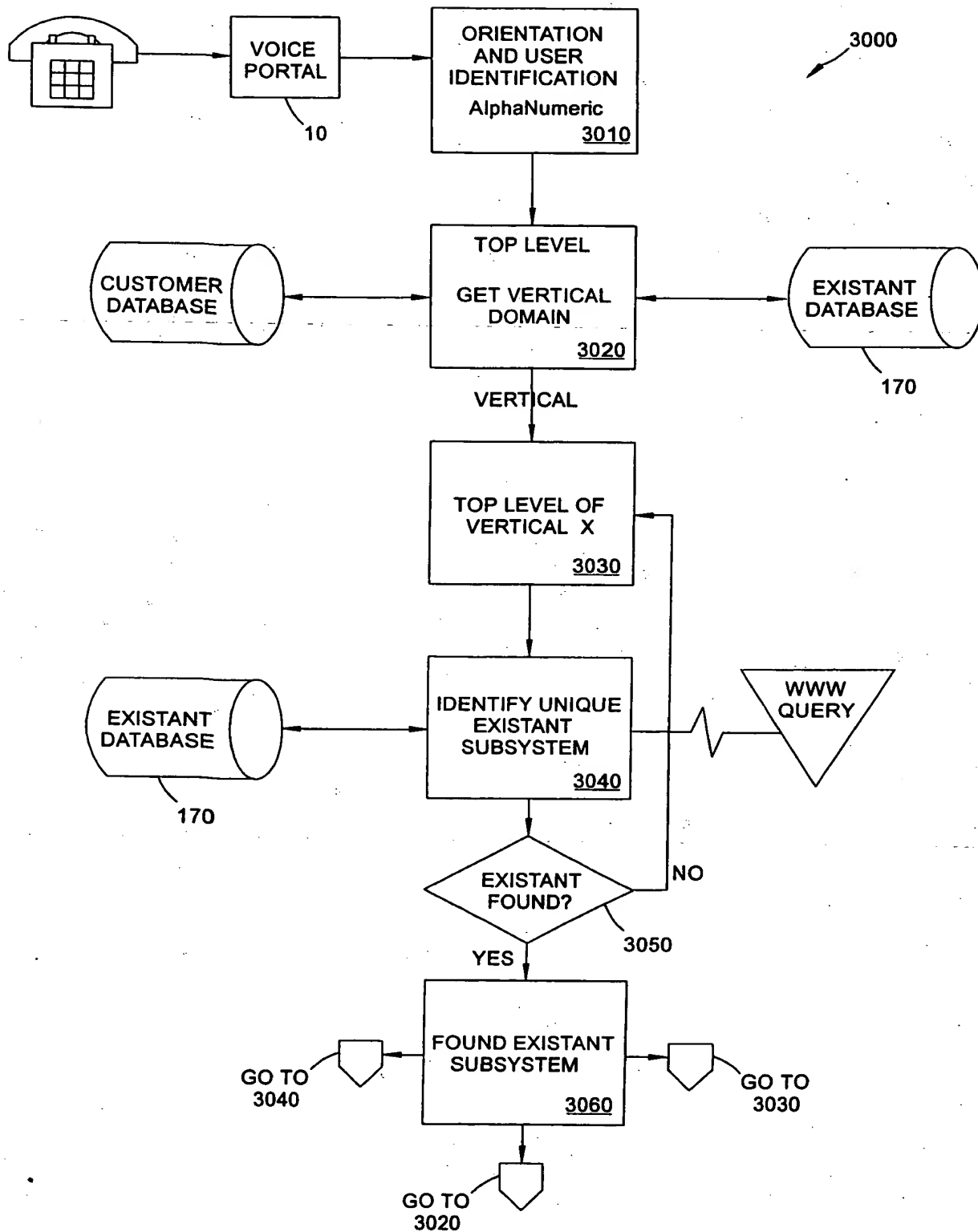


FIG. 30

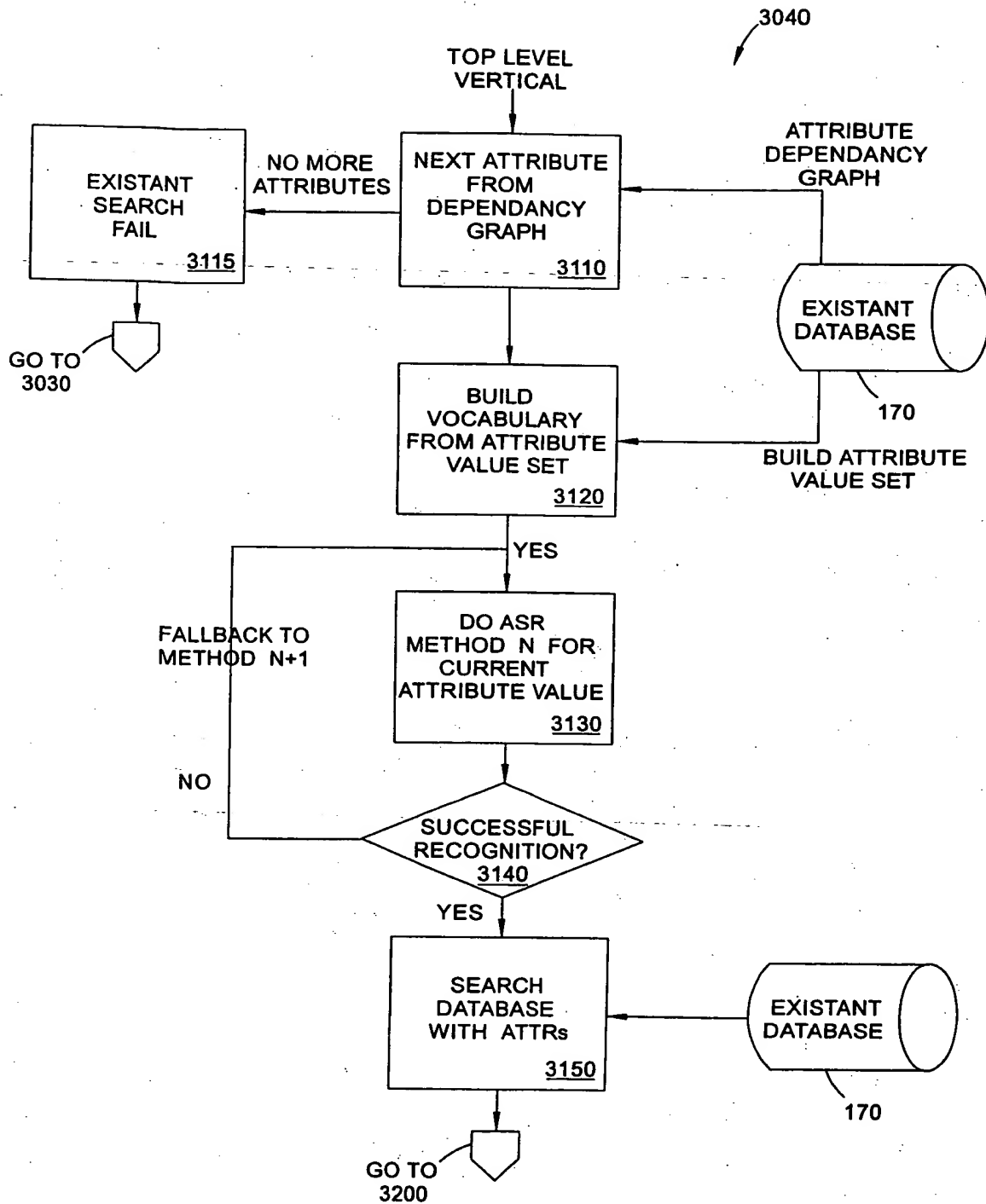


FIG. 31

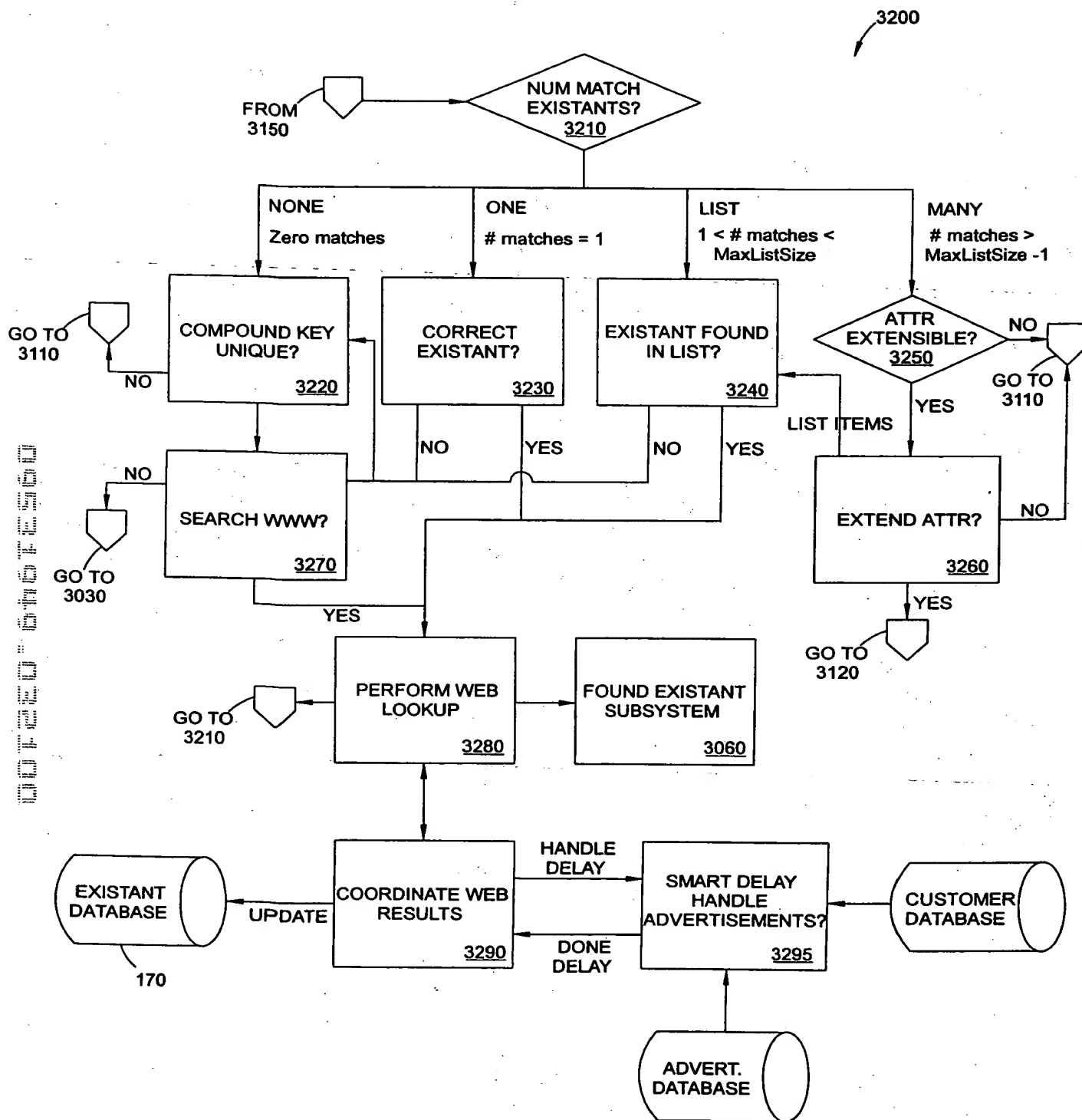


FIG. 32

IDENTIFY UNIQUE
EXISTANT SUBSYSTEM

3060

LOG CUSTOMER
FOUND ITEM

3310

CUSTOMER
DATABASE

PREPARE
INFORMATION FOR
PRESENTATION AS
APPROPRIATE TO
VERTICAL

3320

EXISTANT
DATABASE

170

BUILD RELATED
INFORMATION/
COMMAND
GRAMMAR

3330

RETURN
INFORMATION

3340

GET NEXT
ACTIVITY

3350

GO TO
3040

GO TO
3030

GO TO
3020

FIG. 33

001220 0101E500

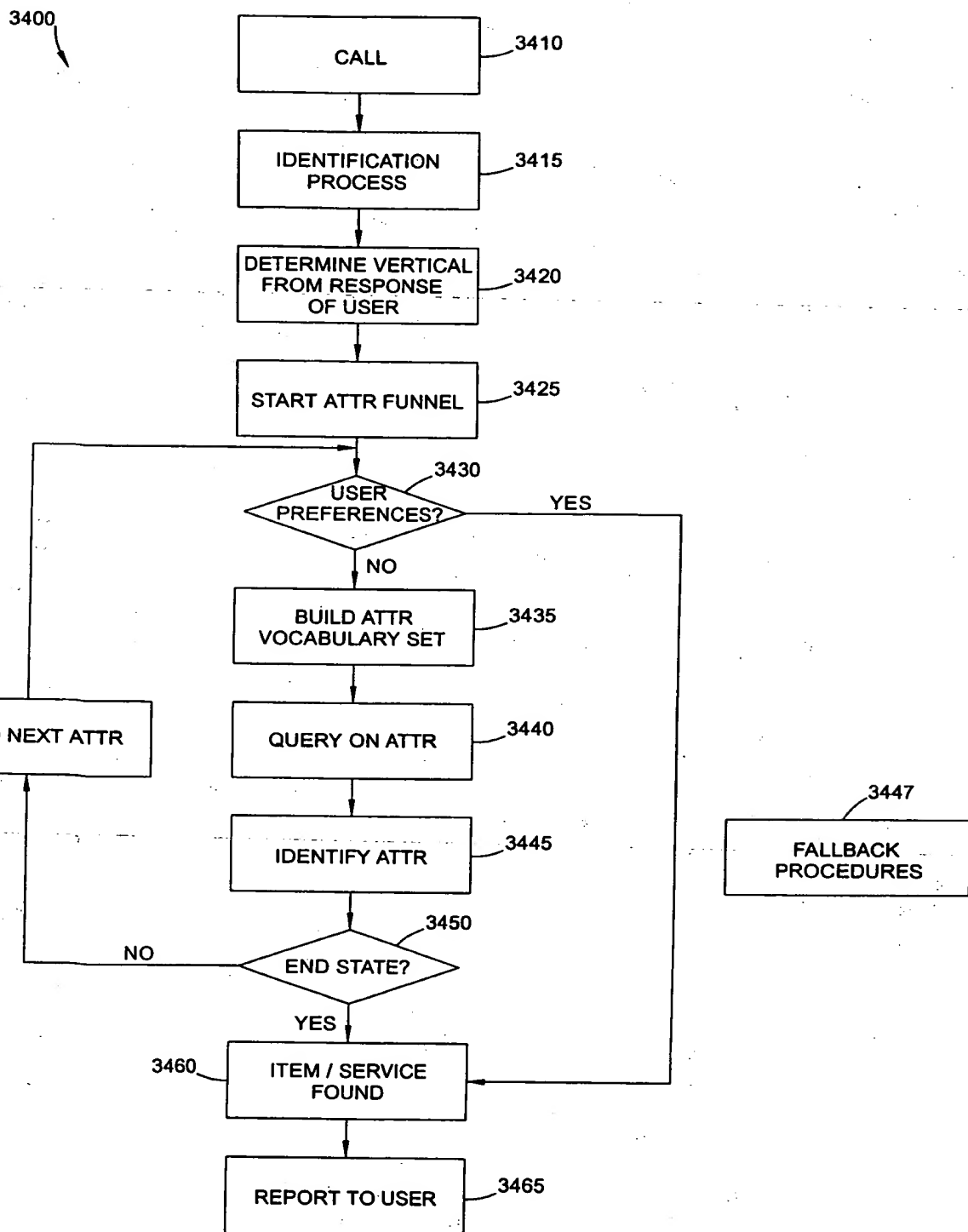


FIG. 34

001220 070712500

3500

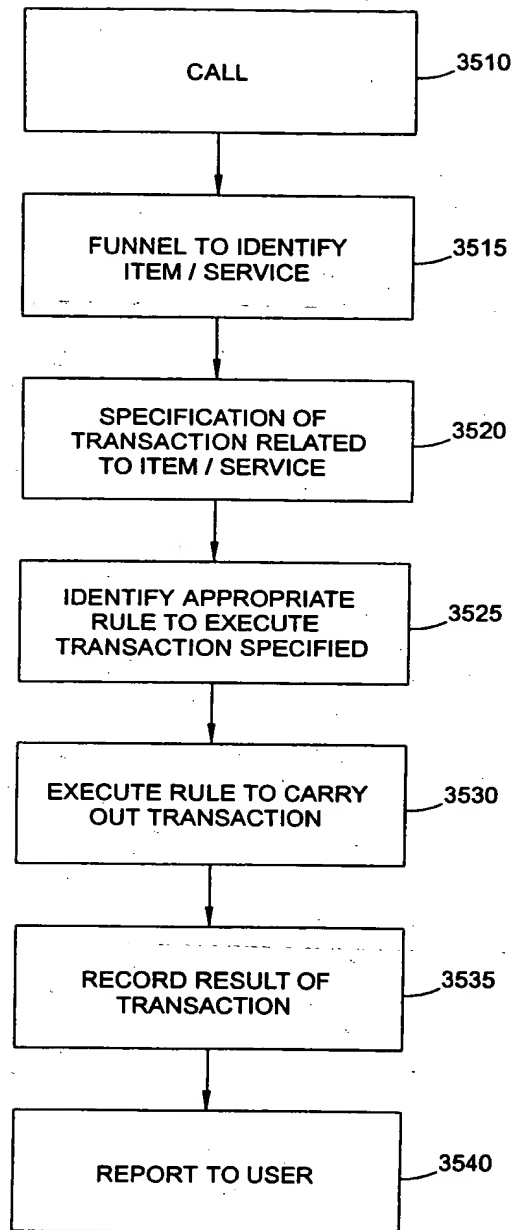


FIG. 35

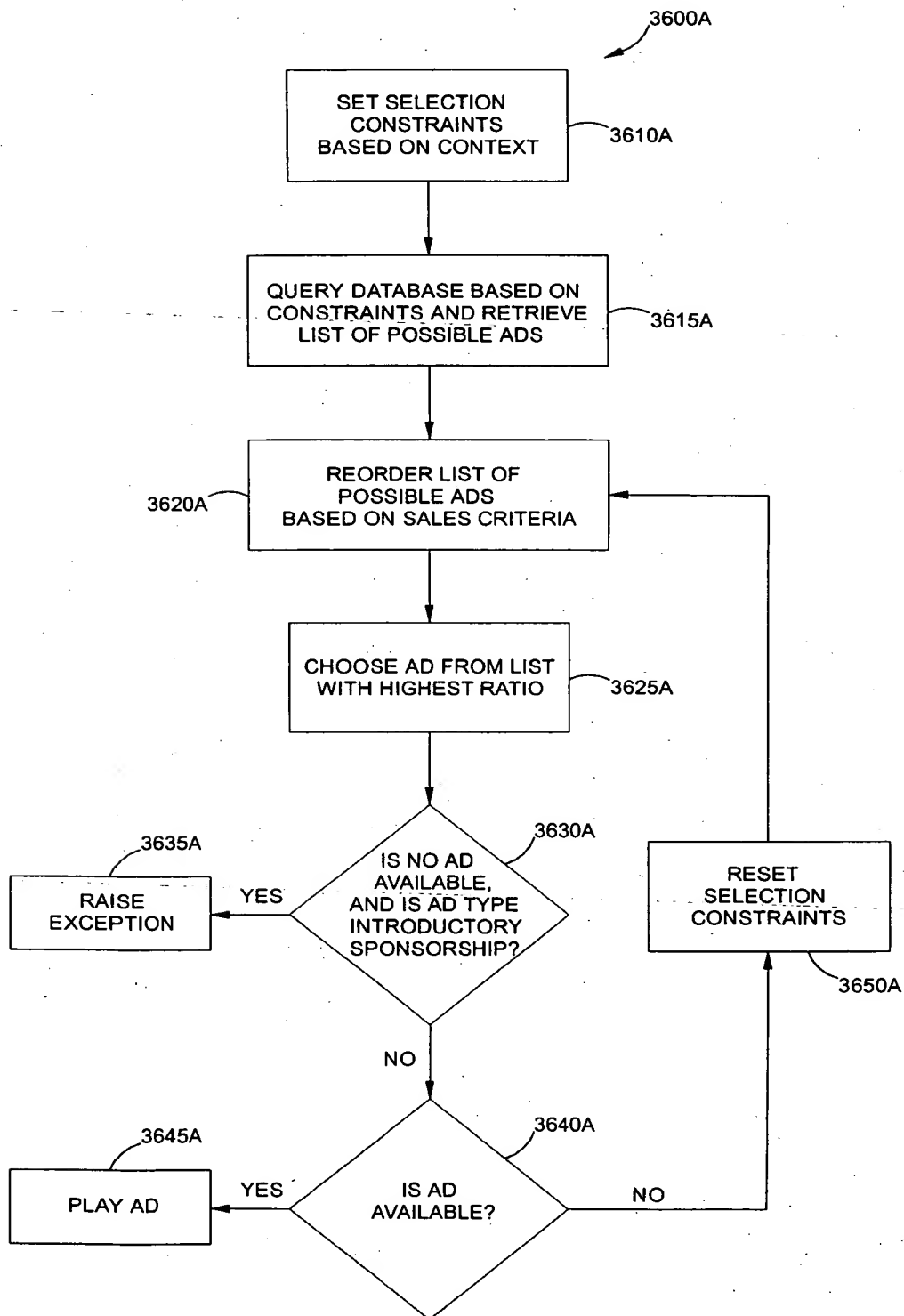


FIG. 36A

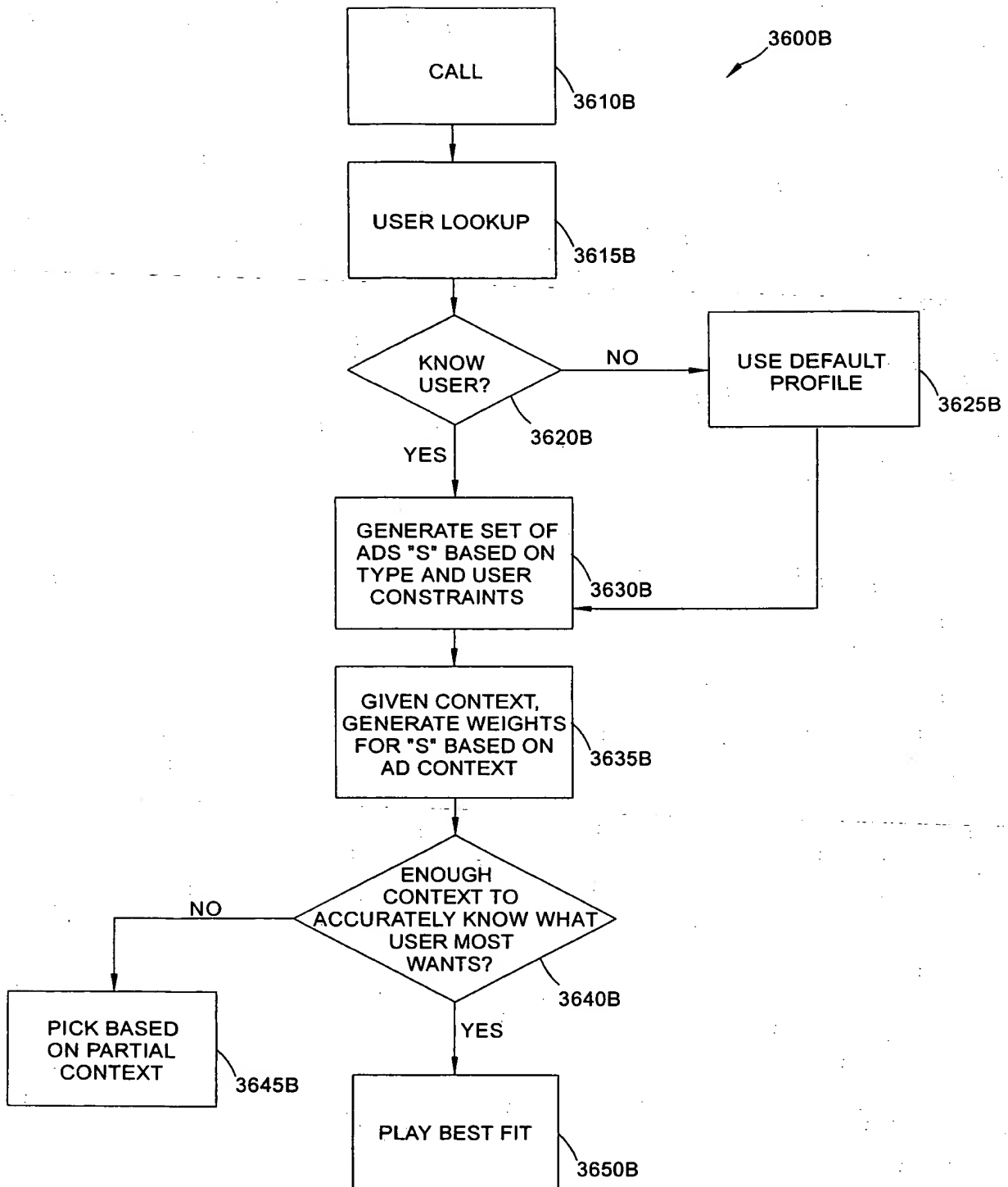


FIG. 36B

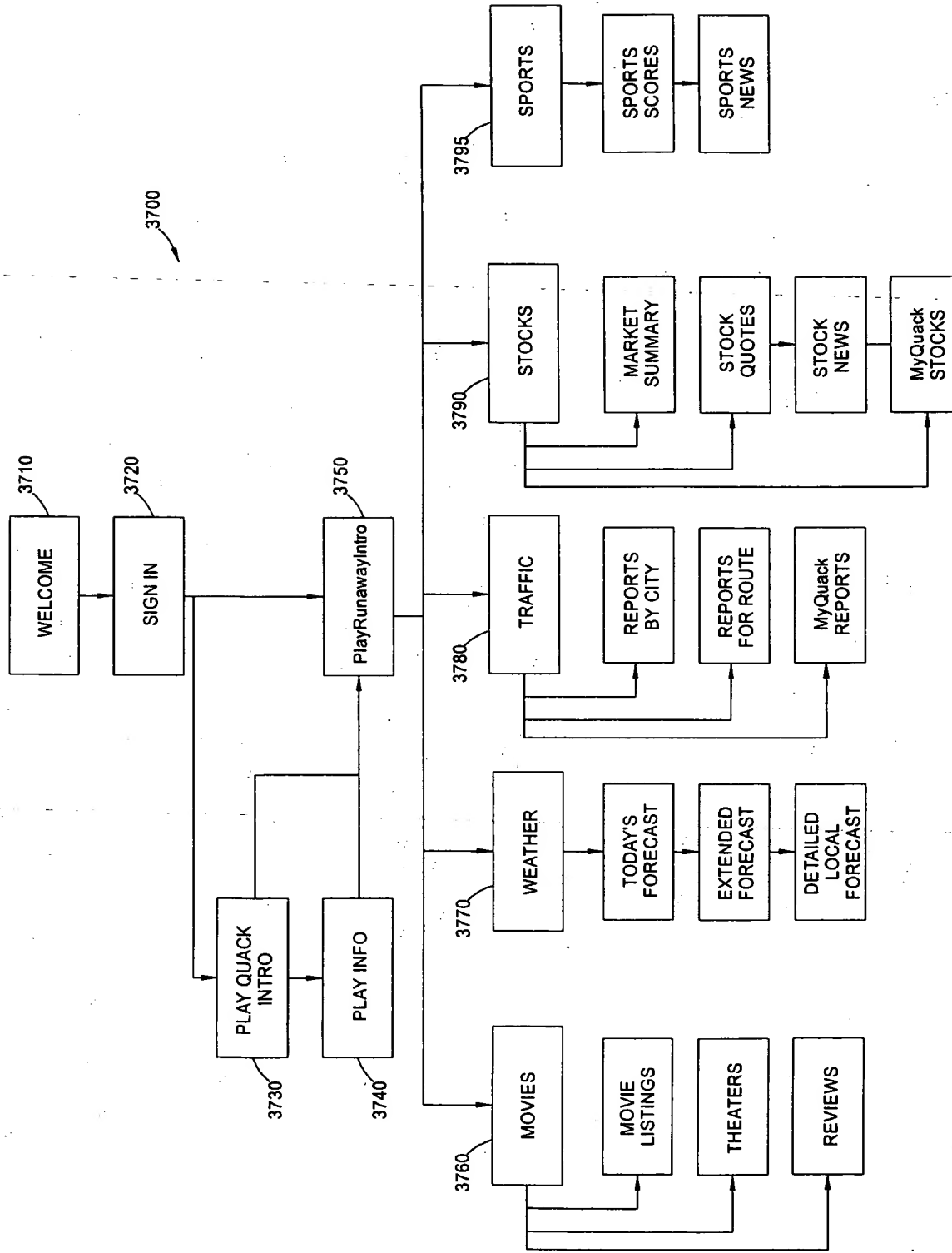


FIG. 37

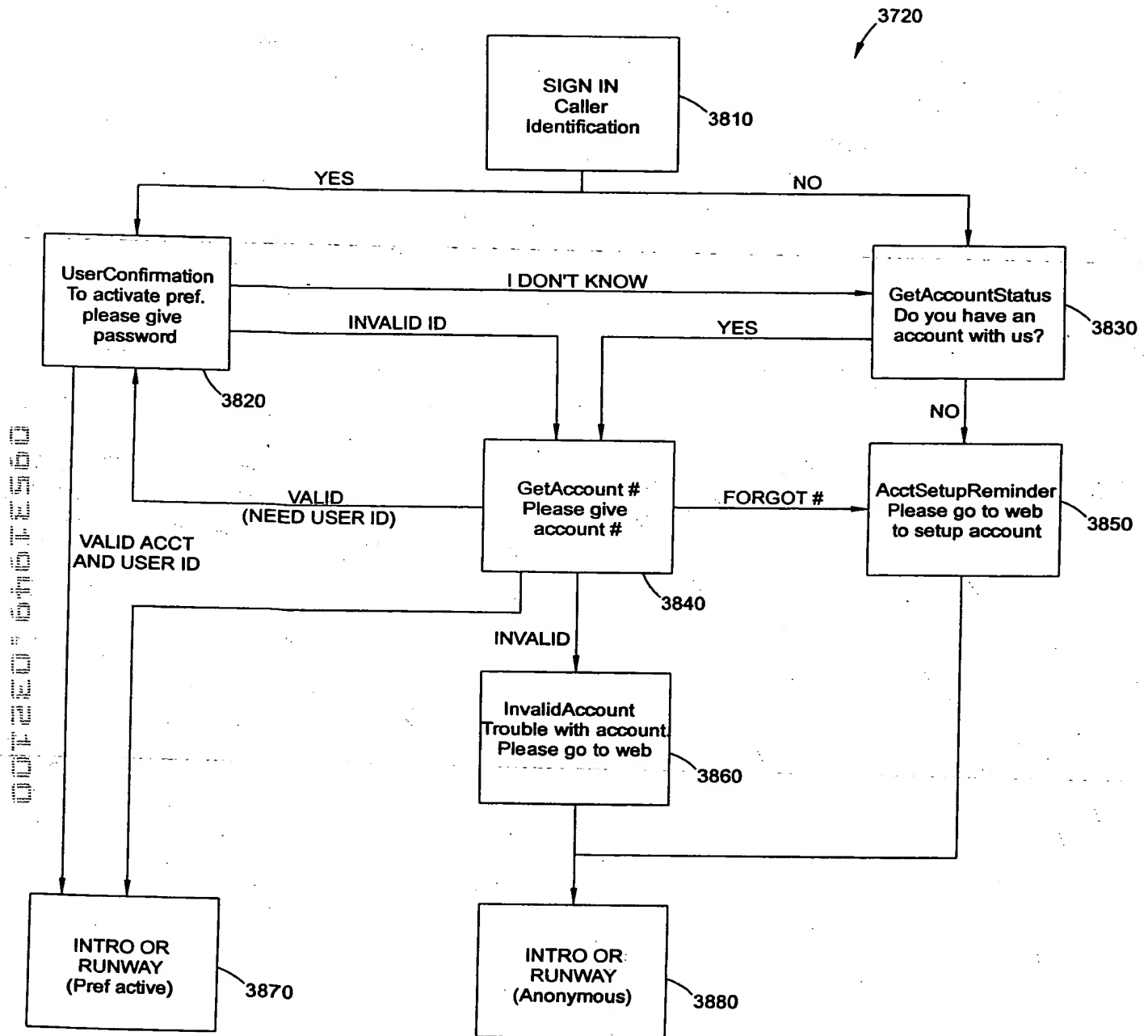


FIG. 38

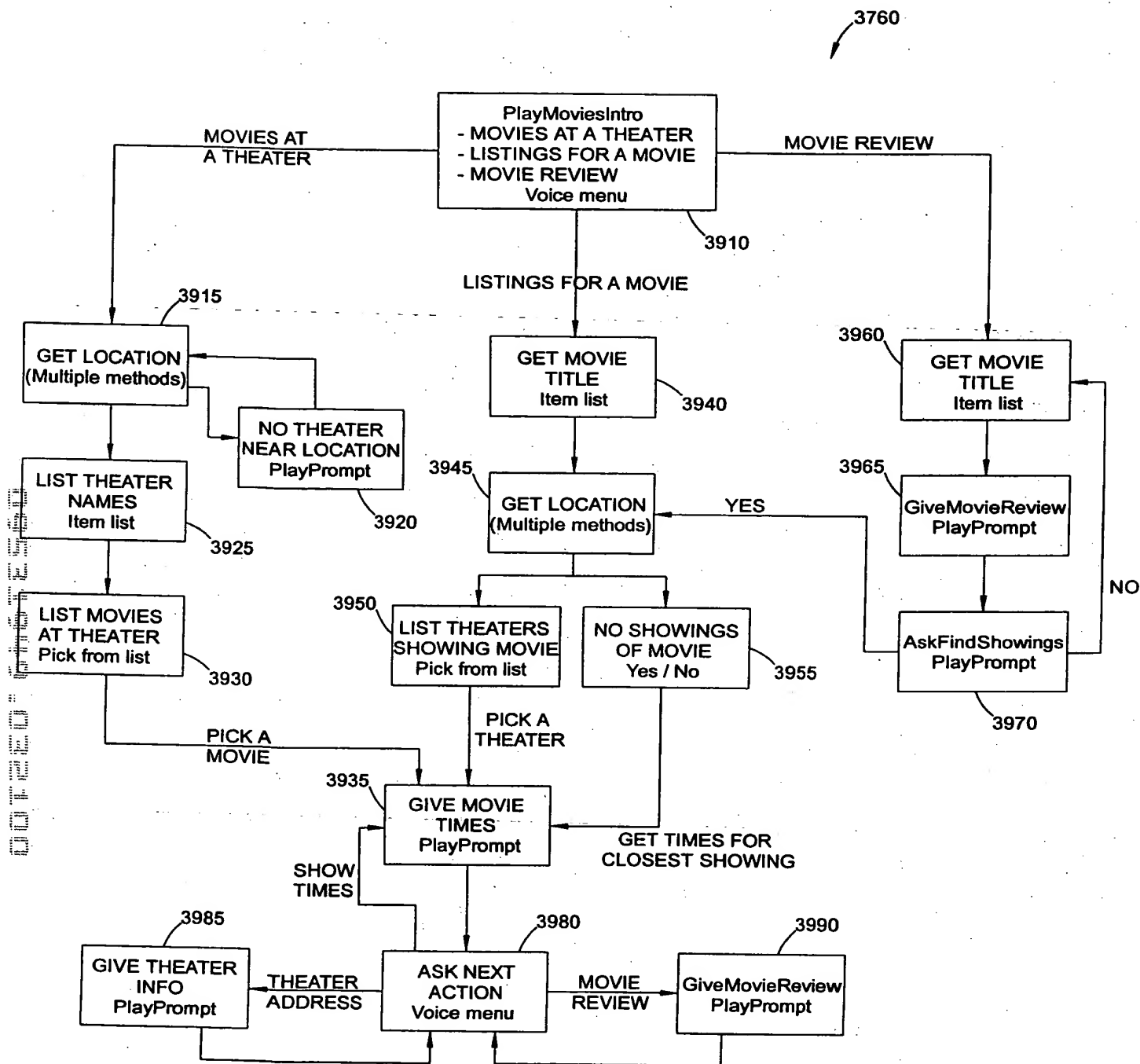


FIG. 39

```

graph TD
    4010[PLAY WEATHER INTRO] --> 4020[GET LOCATION  
(Multiple Methods)]
    4020 --> 4030[WEATHER  
LIVE UPDATE  
Play Prompt]
    4030 --> 4040[WEATHER  
LATENCY  
OPTIONS  
Play Prompt]
    4040 --> 4050[GIVE WEATHER  
INFO  
Play Prompt]
    4030 --> 4050
    4050 --> 4060[GET EXTENDED  
FORECAST?  
Yes / No]
    4060 --> 4070[GIVE EXTENDED  
FORECAST  
Play Prompt]
    4070 --> 4080[ASK NEXT ACTION  
Voice Menu]
    4060 --> 4080
    4080 --> 4090[RUNWAY]
    4080 --> 4020

```

FIG. 40

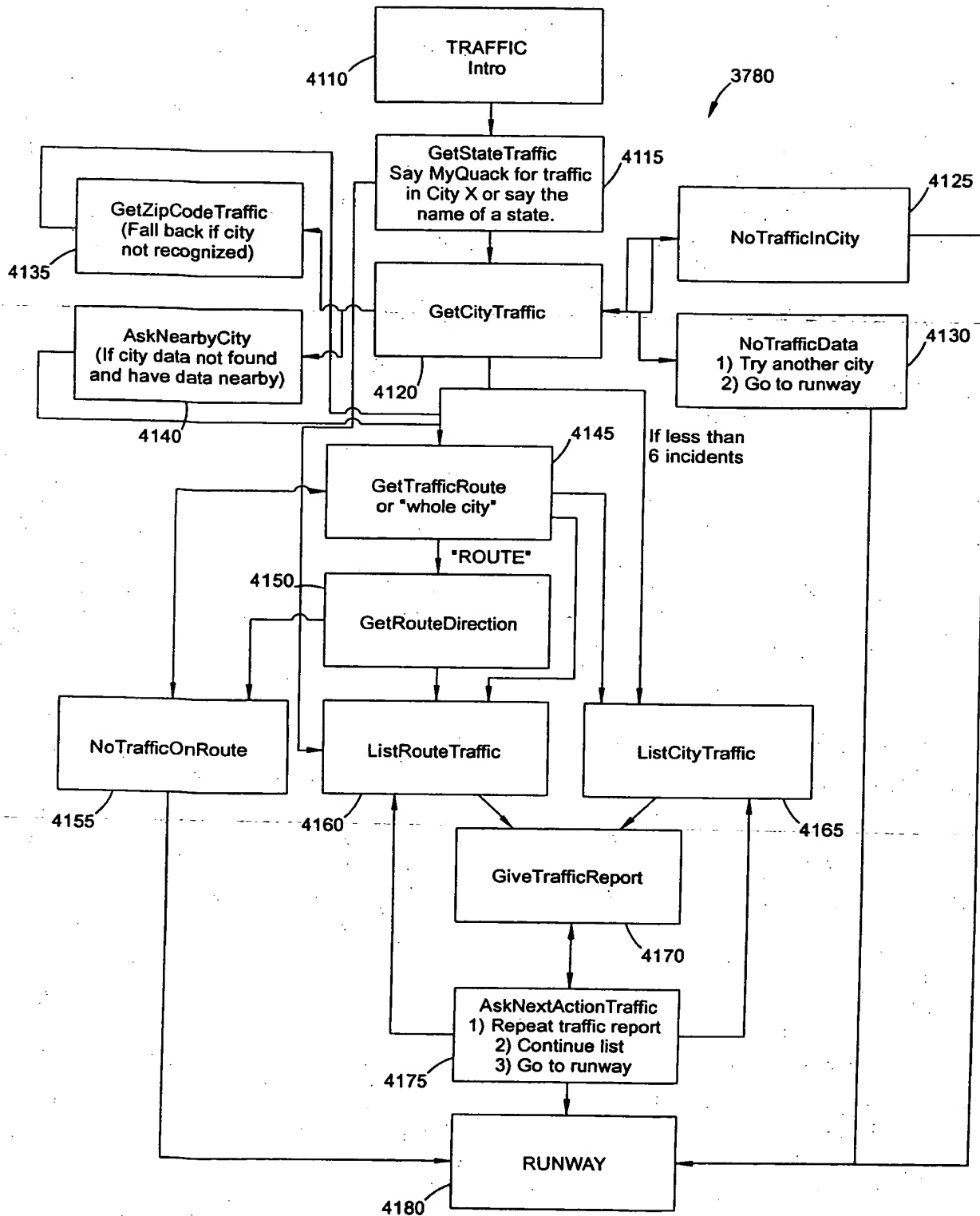


FIG. 41

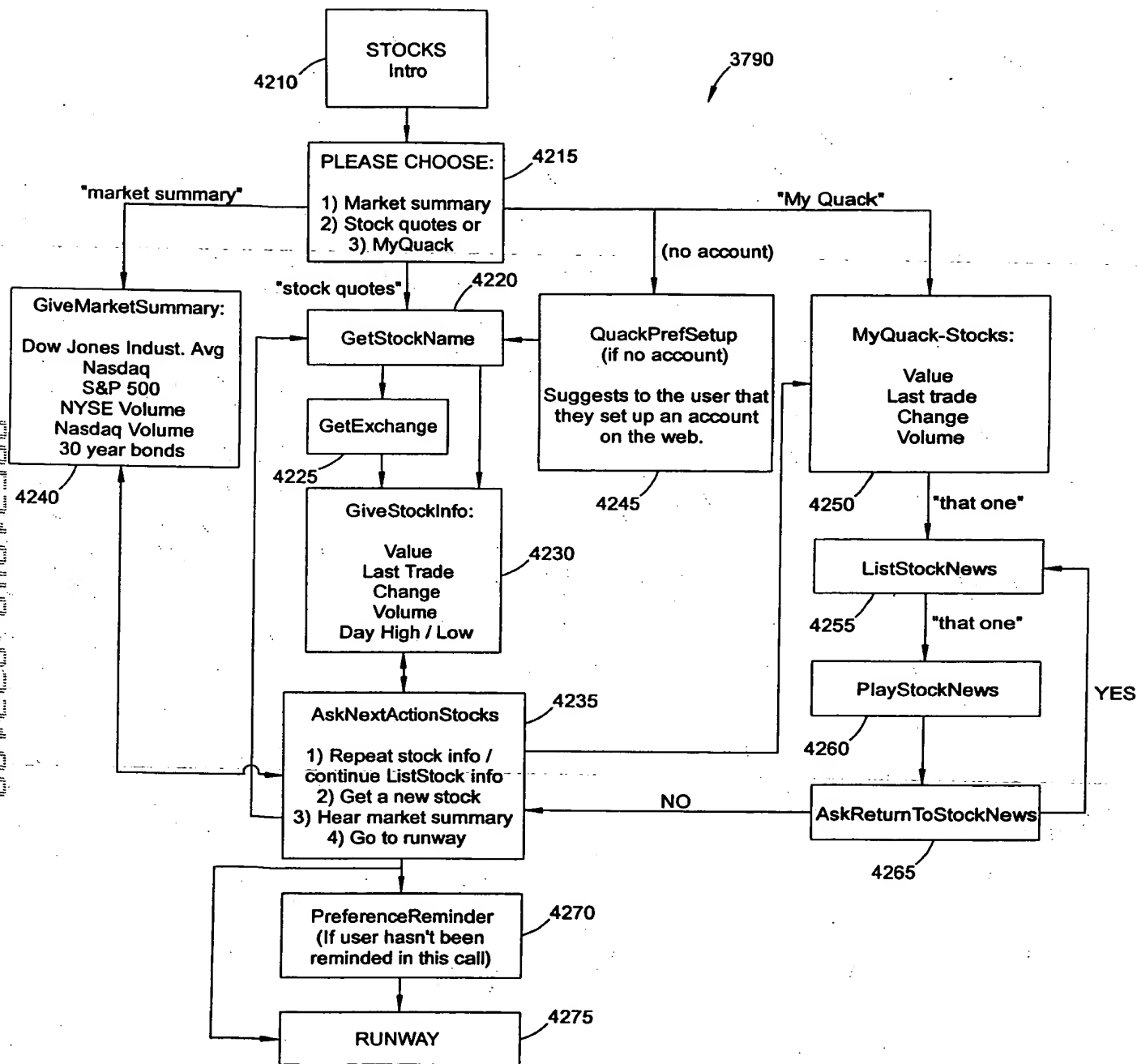


FIG. 42

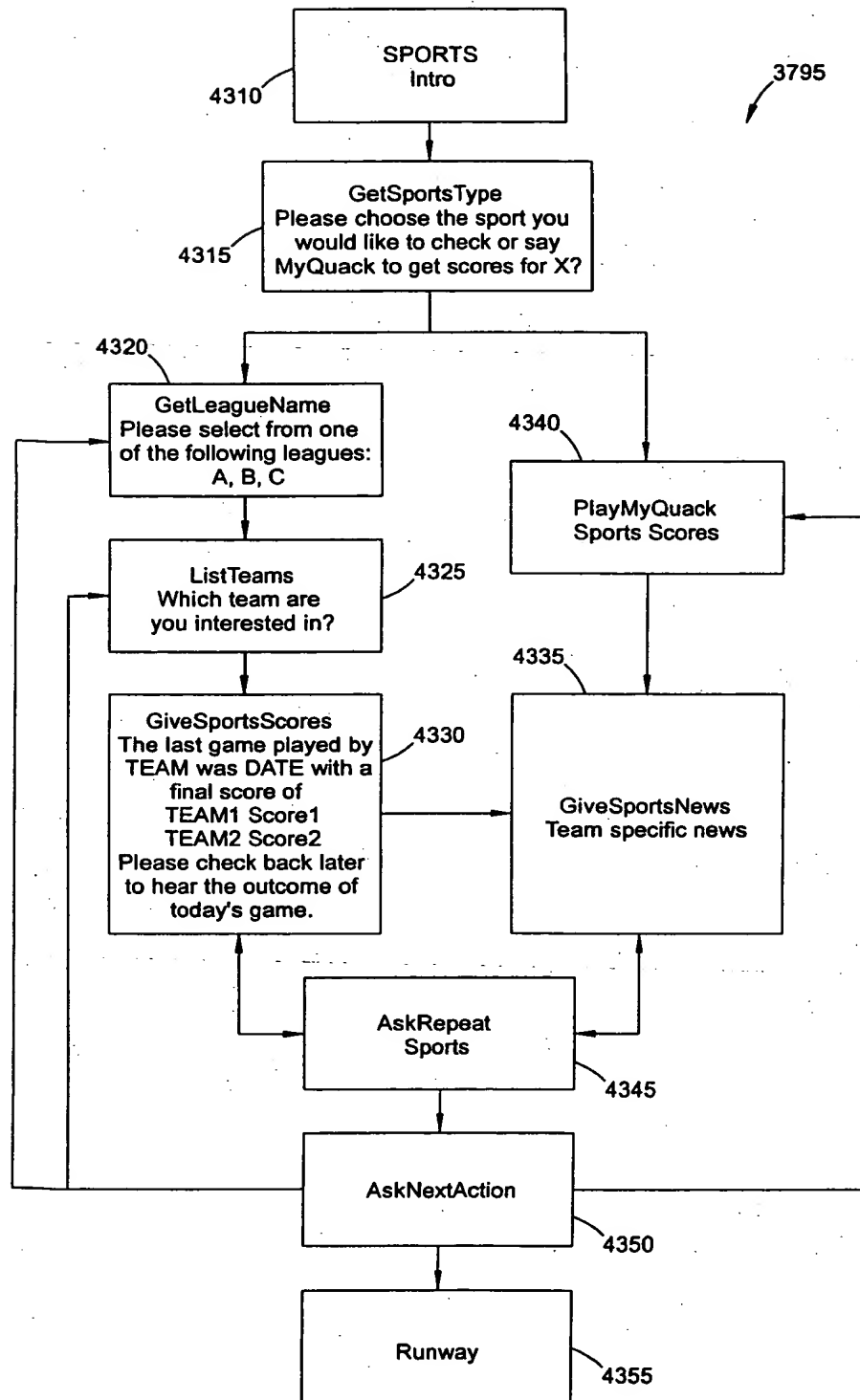


FIG. 43